

CARNOISSEUR

at **MDC**

MOTOR ACCESSORY CATALOGUE

WINTER 1984



CARNOISSEUR
MDC
Over 370 Stores Nationwide and more

£1
Refund
on First C



THE CATALOGUE PRICES

Please note that all prices **INCLUDE VAT**. All prices in this catalogue are correct at the time of going to press at October '84 and our priority is to negotiate with our suppliers to keep prices constant for as long as

possible, however, price adjustments may inevitably have to be made and therefore we reserve the right to alter prices without prior notice.



BUYING IN STORE

All products in this catalogue are available through all Motorist Discount Centre stores; for details of branch addresses and phone numbers see pages 4 and 5. If in difficulty, contact our Mail Order department on **Nottingham (0602)**

411776 (24 hours)

NOTE

All products in this catalogue could be available in-store at a reduced price.

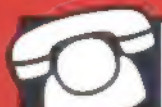
For details contact your local store.



BUYING BY MAIL ORDER

Everything you need to know about buying by mail can be found on the special Order Form section at the back of this catalogue.

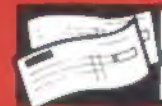
Credit card holders can telephone their orders direct by phoning **Nottingham (0602) 411776 (24 hours)**



BUYING BY TELEPHONE

Credit card holders can telephone their orders direct by phoning

Nottingham (0602) 411776 (24 Hours)



THE WAYS TO PAY

1. Cheques. (Please do not send cash through the post).
2. Postal Orders.
3. Credit Cards. We accept the

following cards:
Barclaycard, Access.



CARNOISSEUR SERVICES

Customer advisory service
Enquiries and product information can be answered by telephoning your local store (see pages 4 and 5) or if more convenient, telephone **Nottingham (0602) 411776**. Also a 24 hour answering service will

accept your message any hour of the day or night and your enquiry will receive our prompt attention. Export enquiries are welcome. Please write for details and quotation.

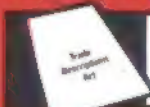


CARNOISSEUR GUARANTEE

If any of our goods arrive damaged or to the wrong specification, contact us within 14 days on **(0602) 411776** for the returns address and your returns number. Providing the goods are returned

carriage paid, we will refund your money in full or despatch the replacement goods without question.

Please note that no goods can be accepted without your returns number.



TRADE DESCRIPTIONS

Every care has been taken to ensure description and specifications are correct at the time of going to press at October '84. We must, however, reserve the right to alter prices and specification without notice as

circumstances dictate. Although the colour printing in this catalogue is a good representation, slight variations must be expected. All products are offered subject to availability.

Dear Customer,

As autumn winds grow colder and the nights draw in, shopping from home makes more sense than ever. Now is the time to settle back with the new Carnoisneur at MDC catalogue and choose from a wide range of quality motor accessories to keep your motor car in A1 condition and the envy of all your friends.

Also with Christmas looming on the horizon, where better to look for those special gifts for close friends and relatives.

As usual, we are offering a balanced selection of products and wherever possible, offering these from stock at MDC outlets.

So enjoy looking through this catalogue during the long winter evenings but if you can't help longing for spring, remember there will be a brand new edition out in April next year.

Neville Crow

Neville Crow
Managing Director

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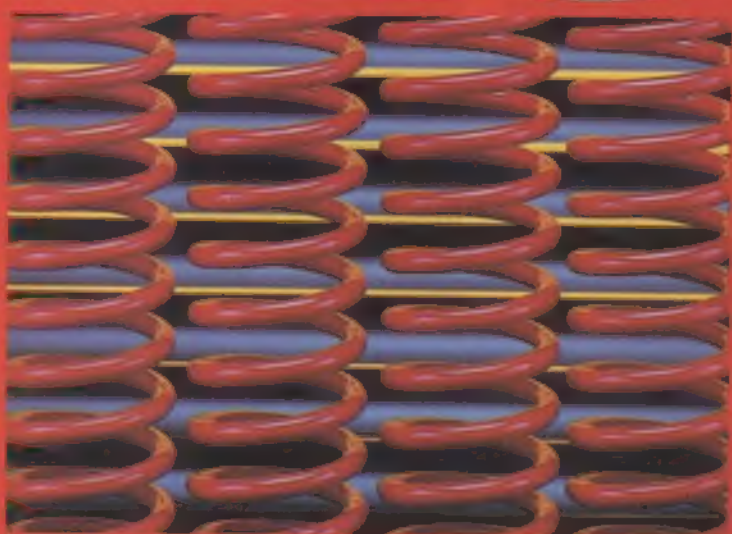
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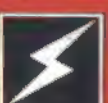
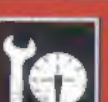
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**UK's
LARGEST
MOTOR
ACCESSORY
RETAILER**

VOUCHER

(for use in any MOC store, or by post. See order form at back of catalogue.)

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Tel: 027 56 67814
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PETERBOROUGH, 22a Long Causeway. Tel: 0733 310290

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WARRINGTON, 96-8 Bridge Street. Tel: 0925 59378

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CHRISTCHURCH, 6 St Catherine's Parade, Fairmile Road.
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GLOUCESTER, 38-40 Westgate Street. Tel: 0452 25925

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SOUTHSEA Palmerston Rd. 0705 819832
SOUTHAMPTON, 225 Portsmouth Road, Portswold.
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SOUTHSEA, 189 Highland Road. Tel: 0705 818235
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HENNEL HEMPSTEAD, 133 The Marlowes, Tel: 0442 55777

HITCHIN, 113 Bancroft/99 Hermitage Road, Tel: 0462 53373
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HULL, 134-6 Beverley Road, Tel: 0482 29372
HULL, 75 Prospect Centre, Tel: 0482 24860
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STOCKPORT, 66 Castle Street, Edgeley, Tel: 061 480 3520
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RETFORD, 10a Market Place, Tel: 0777 700575
SHERWOOD, 577 Mansfield Road, Tel: 0802 607512
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OXFORD, 116-120 London Road, Headington, Tel: 0865 750201

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SHREWSBURY, 76 Mardol, Tel: 0743 69091
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STAFFORD, 18 Princess Street, Tel: 0785 57856

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GUILDFORD Woodbridge, 0483 39996
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SUNDERLAND, 40-48 Fawcett Street, Tel: 0783 43982
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SALISBURY Brown Street, 0722 226401
TROWBRIDGE, 23 Fore Street, Tel: 022 14 88636
WIMBORNE, 16 Three Horseshoes Mall, Tel: 0885 218253

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SOUTH YORKSHIRE

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DONCASTER, 55 Hallgate, Tel: 0302 28503
MEXBOROUGH, 96a-6a Bank Street, Tel: 0709 588609
SHEFFIELD, 228 London Road, Tel: 0742 584024
SHEFFIELD, 715 Abbeydale Road, Tel: 0742 584023
SHEFFIELD, 10, 16-28 Commonsides, Walkley, Tel: 0742 866102

WOMBWELL, 71-8 High Street, Tel: 0226 756584

WEST YORKSHIRE

BATLEY, 110 Commercial Street, Tel: 0924 479767
BINGLEY, 2 Myrtle Walk, Tel: 0274 560022

CROSSGATES, 12 Austhorpe Road, Leeds, Tel: 0532 605644

GARFORTH, 51 Main Street, Tel: 0532 865975

HALIFAX, 7 Albion Street/Westgate, Tel: 0422 51759
HEADINGLEY, 55 Otley Road, Leeds, Tel: 0532 755270
HORSFORTH, 37 Town Street, Tel: 0532 587961
HUDDERSFIELD, 25-9 Market Street, Tel: 0484 32291
ILKLEY, 20 Leeds Road, Tel: 0943 608567
KEIGHLEY, 112-4 East Parade, Tel: 0535 69413
LEEDS, 236 Easterley Road, Tel: 0532 403693
MORLEY, 117 Queen Street, Tel: 0532 530895
PUDSEY, 4-6 Church Lane, Tel: 0532 578697
ROTHWELL, 98-100 Commercial Street, Tel: 0532 826107

SCOTLAND

BORDERS

GLASGOW, 54 Channel Street, Tel: 0696 73087
HAWICK, 23 High Street, Tel: 0450 3941

CENTRAL

ALLOA, 35-9 Mill Street, Tel: 0259 722647
GRANGEMOUTH, Unit 2, La Porte Precinct
STIRLING, 2 Orchardcroft, Thistle Centre, Tel: 0786 64510

DUMFRIES & GALLOWAY

DUMFRIES, 46-8 Buccleuch Street, Tel: 0387 52753

FIFE

DUNFERMLINE, 57-9 High Street, Tel: 0383 738885
KIRKCALDY, 244 High Street, Tel: 0592 203700
LEVEN, 4 High Street, Tel: 0333 29486

HIGHLANDS

FORT WILLIAM, 102 High Street, Tel: 0397 5394
INVERNESS, 32-4 Eastgates, Tel: 0463 223630

LOTHIAN

BATHGATE, 89-91 South Bridge Street, Tel: 0506 54490
EDINBURGH, 74 South Bridge, Tel: 031 225 2084

STRATHCLYDE

ALEXANDRIA, 29-30 Alexandria Shopping Centre, Tel: 0389 51391
AYR, 245 High Street, Tel: 0292 285303
BLANTYRE, Unit 12, Clydeview Shopping Centre, Glasgow Road, Tel: 0698 829698
COATBRIDGE, 32 Main Street, Tel: 0236 34559
DUMBARTON, 86-8 High Street, Tel: 0389 32788
GLASGOW, Unit 2, Pollock Shopping Centre, Tel: 041 880 7955

GLASGOW, 323 Victoria Road, Tel: 041 423 3877
GLASGOW, 312 Dumbarton Road, Partick, Tel: 041 334 9221
KILMARNOCK, 135 King Street, Tel: 0563 27773
KIRKINTILLOCH, 11-3 Cowgate, Tel: 041 776 0751

PAISLEY, 43 Causerside Street, Tel: 041 848 1236
PRESTWICK, 71-5 Main Street, Tel: 0292 77786
RENFREW, 37 Hairs Street, Tel: 041 885 1844

TRAY

ARRRGATH, 118 High Street, Tel: 0241 79744
DUNDEE, 98-100 High Street, Loches, Tel: 0382 812392

WALES

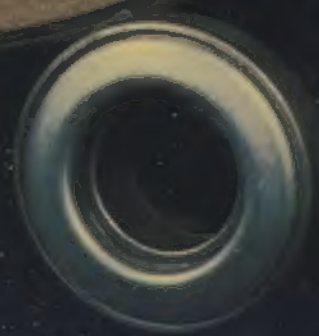
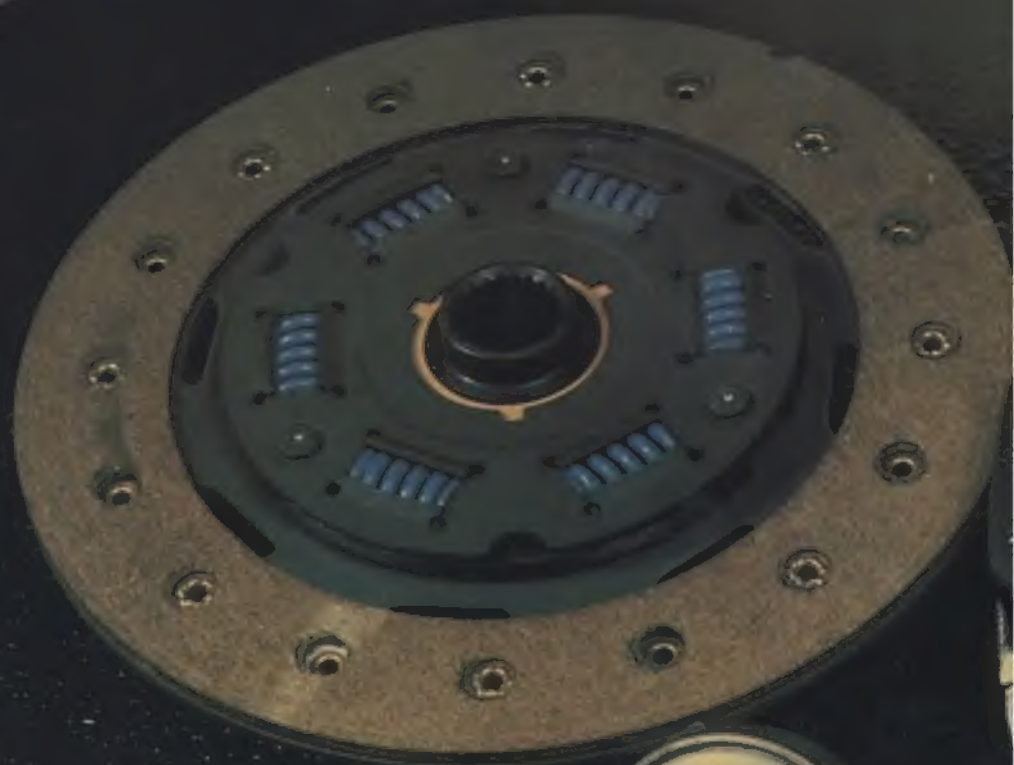
CLWYD

WREXHAM, 36 Priory Street, Tel: 0978 357345
COLWYN BAY, 40 Abergyle Road, Tel: 0482 2579

DYFOD

LIGHTNING NEVER STRIKES TWICE

Or does it?



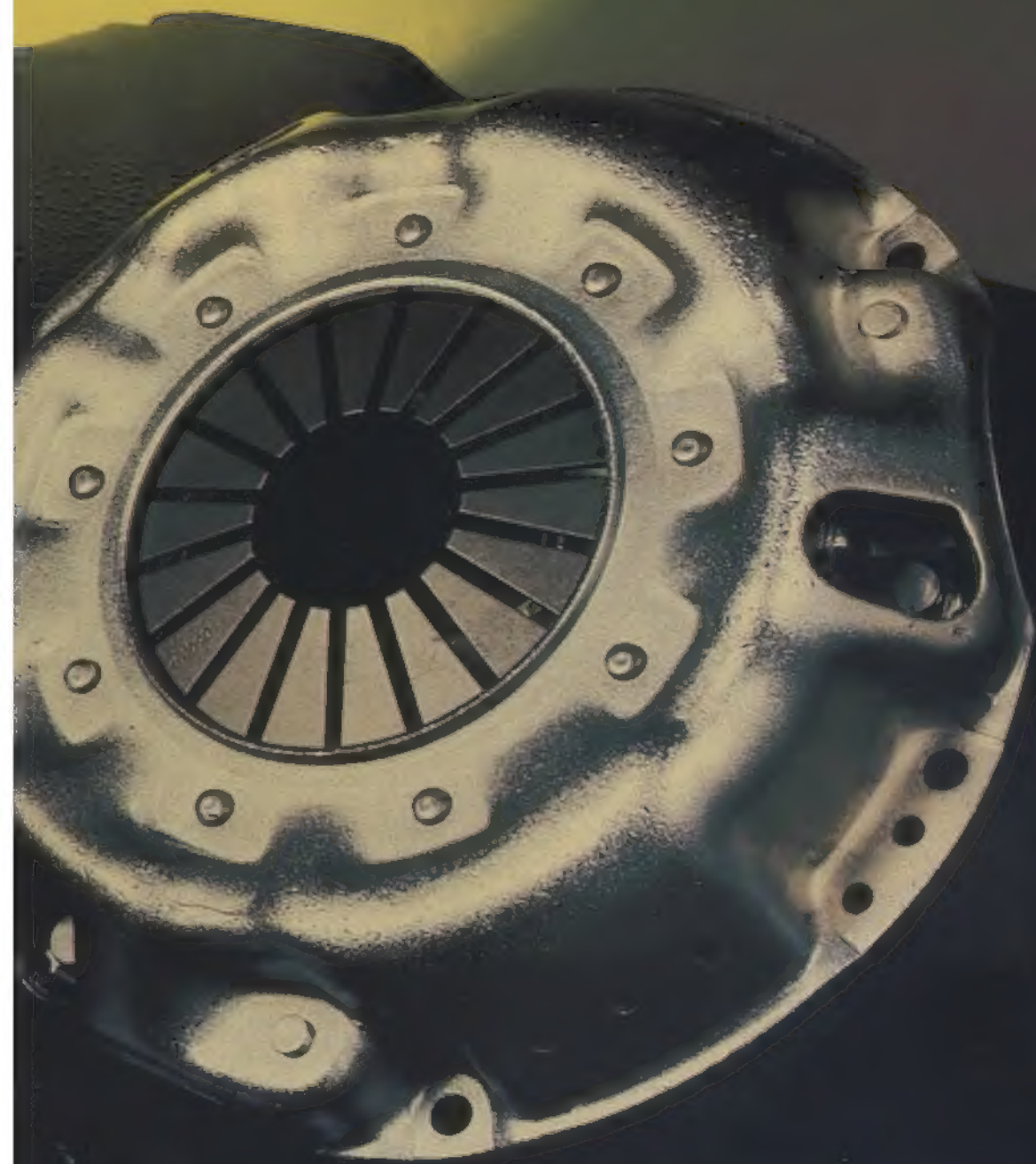
171 Hucknall Road Nottingham. Telephone (0602) 622633 Telex 377591

It's a well known fact that it can strike more than once.
But there are ways to reduce your chances of hitting
trouble.

When you buy quality replacement clutch parts, buy a
name you can trust.

NATIONAL AUTO PARTS

THE CLUTCH SPECIALISTS





The WEB- WELD

SPECIFICALLY DESIGNED FOR THE
WELDING OF THIN GAUGE METALS

THIS ARC WELDING METHOD GREATLY
FACILITATES THE WELDING OF THIN STEEL
AND STAINLESS STEEL: Furthermore, it
effectively reduces the lowest output of an AC
welding set, and therefore provides another
range for variable output types.

- Whether an experienced welder or a beginner
the tool is simple to use, but at the same
time professionally effective, and an essential
addition to all welders equipment, whether
Do-It-Yourself, Car Body Repairs, Stainless
Steel users, Lawn Mowers, Light Industrial
Engineering, etc.

THE WEB-WELD TOOL PROVIDES ALL THE
ADVANTAGES OF PULSED WELDING FROM
JUST AN ORDINARY AC WELDING SET:

Welding current is pulsed electronically and
the extra sensitive action of the electrode
holder *prevents the arc from breaking
between pulses.*

In addition to welding of thin gauge materials
from below the normal recommended
amperages, the welding on site from 12 volt
vehicle batteries can be undertaken by
bypassing the pulsing device and using the
self-striking and arc restoring facility.

- Counteracts the difficulties when trying to
weld thin gauge materials, such as excessive
burning and the rod welding itself to the work
surface.

WHEELS





SELECTING THE RIGHT WHEEL AND TYRE

There are two critical measurements to be made in matching an alloy wheel to your car. The type of wheel stud fitting is a combination of the number of studs (4 or 5) and a measure of the diameter of the circle drawn through the centre of the stud holes (known as the PCD). The wheel offset and whether it is a positive (inset) or negative (outset) dimension is also important (see diagram). But don't worry too much if you are simply replacing your existing steel wheels by alloys of the same dimensions. Our comprehensive reference service will give you the exact model application you require. To step up to a wider wheel or, possibly, a larger diameter in conjunction with lower profile tyres you may need to take some expert advice - it is a service we are only too glad to offer.

Selecting tyres is considerably more complex. You must always bear in mind that the lower the profile of the tyre you would like to use the greater the wheel diameter may have to be to preserve the same rolling diameter so there is no change in the car's overall gearing and the speedometer and odometer remain reasonably accurate. But to take full advantage of lower profile tyres the tyre and rim width must also be increased. As there is a limit to the clearances under the wheel arch great care should be taken to ensure that the tyre is not too wide. Only careful cross-referencing between the wheel application list and the catalogues of the tyre producers will reveal the maximum tyre and wheel size that any model of car can take without extensive modification to bodywork or brake and suspension configurations. Note that the profile of a tyre (also known as the aspect ratio) is an expression for

the ratio between tyre height (from bead to tread) and tyre width. Standard tyres are approximately 80-85% profile, earlier lower profile designs now in widespread use are 70% while the latest ULP designs like the P6 and Dunlop D3 are 60-65% profile. The lowest profile of all is presented by the very specialised P7 design at 50%.

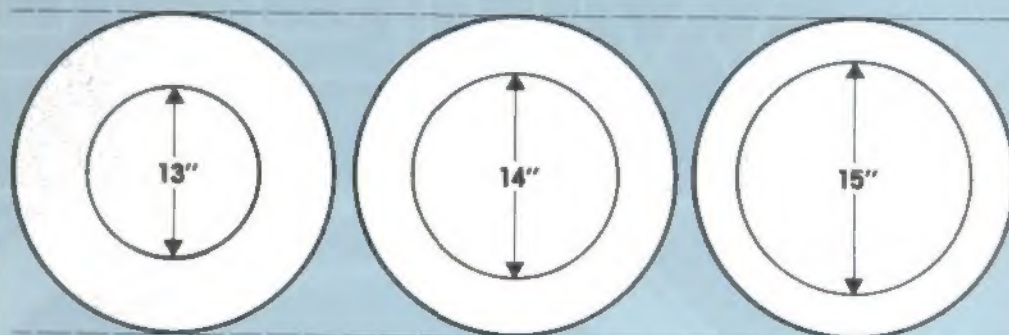
THE ADVANTAGES OF ULP TYRES

The breakthrough to lower profiles than 70% was made by Pirelli, a company whose researchers recognised that energy absorption by the tyre could be reduced if the tyre height was reduced and the reinforcement of the tread area made extremely strong. This limits the flexibility of the sidewall and improves steering

response. The fact that the tyre is wider gives enormous improvements in grip both for braking and roadholding as well as resisting breakaway under hard acceleration. The P7 tyre was the revolutionary upshot of this thinking but

to gain much wider appeal it needed the P6, a tyre that can be mass-produced and used successfully on lesser machines. Most other major tyre manufacturers now produce ULP tyres with profiles in the 60-65% range.

EXAMPLE OF UP-STEPPING



ORIGINAL EQUIPMENT

13" Wheel with 70 Series Tyres
(eg. 175/70 HR/13 Pirelli CN36)

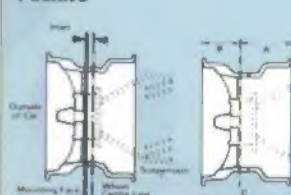
PLUS 1

14" Wheel with 60 Series Tyres
(eg. 185/60 HR/14 Pirelli P6)

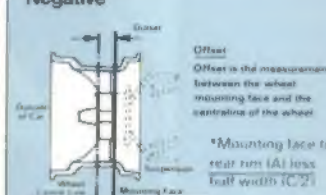
PLUS 2

15" Wheel with 50 Series Tyres
(eg. 195/50 VR/15 Pirelli P7)

Positive



Negative



WHEELMASTER WRENCH 2000

takes the 'wrench' out of wheelchanging

- Reversible socket: 17 and 19mm to fit most cars.
1/2" sq. drive - takes other standard socket sizes.
- High-torque handle for your 1/2" socket set!
- A 'once only' purchase - will fit all types of cars in years to come.
- Strong, light and compact.
- Telescopic - gives 100% more leverage!
- Detachable socket - spins nuts on and off.



C1048

£12.95



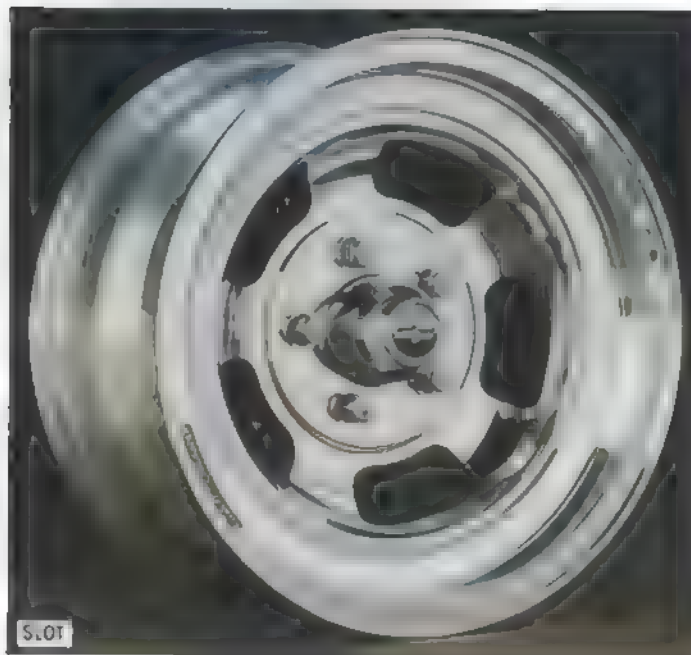
1 Loosen wheel nuts with wrench fully extended.



2 Spin nuts on or off using detachable socket.



3 Tighten nuts with wrench in closed position.



SLOT			TURBO		
Ref. No.	Size	Price	Ref. No.	Size	Price
CC2242	5 x 10	£39.98	CC2255	5 1/2 x 13	£57.50
CC2243	5 x 12	£49.90	CC2256	6 x 13	£64.50
CC2244	5 x 13	£57.40	CC2257	6 x 14	£79.95
CC2245	5 1/2 x 13	£49.90	CC2258	7 x 15	£84.50
CC2246	6 x 13	£59.80	CC2259	7 x 16	£89.99
CC2247	6 x 14	£69.98			
CC2248	6 x 15	£78.85			
CC2249	7 x 15	£79.99			
CC2250	8 1/2 x 15	£79.99			

Polished finish only

SONIC		
Ref. No.	Size	Price
CC2251	5 x 12	£49.98
CC2252	6 x 13	£64.98
CC2253	6 x 14	£79.95
CC2254	6 x 15	£79.95

Available in grey or white please specify

Polished finish only

- Prices shown are for single wheels only
- Prices include nuts and centre caps.
- Please state when ordering Make Model and Year of Car

"ANTI-NICK NUTS"

The Wolfrace Anti-Theft Electron Magnetic Wheel Lock

This new light-weight puzzle type lock fits most steel and alloy wheels. They come complete with plastic nut covers and extractor for those awkward fitments. Attractively packed in "tamper-proof" shrink-wrapped polystyrene display packs, this product will help protect your wheels from being stolen. Please specify exact details of wheels i.e. Alloy or Steel and Make and Model of car

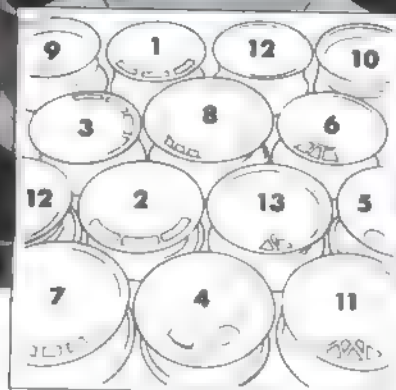
CC2274	£14.95
Lock Bolts	
CC2275	£15.95
Range Rover Lock Nuts	
CC2276	£19.90



OUR WHEELS TURN HEADS.



Each item in our extensive range of low pressure die-casting processes individual quality control by X-Ray. All wheels come in a choice of colours and polished versions.



INTRA			
REF NO	SIZE	COLOUR	PRICE
Abb1	5.5 x 13	SILVER	£57.44
Abb1	5.5 x 13	GOLD/WHITE/ETC	£58.65
Abb1	5.5 x 13	COLOURED POLISHED	£62.10
Abb2	5.5 x 13	SILVER	£56.93
		GOLD/WHITE	£58.65
		COLOURED POLISHED	£62.10
Abb4	6 x 13	SILVER	£56.93
	6 x 13	GOLD/WHITE/ETC	£58.65
	6 x 14	SILVER	£75.61
	6 x 14	GOLD/WHITE	£79.35

KEY	REF NO	SIZE	COLOUR	PRICE
6	Abb5	6 x 13	SILVER	£56.93
		6 x 13	GOLD/WHITE/ETC	£58.65
		6 x 14	SILVER	£75.61
		6 x 14	GOLD/WHITE	£79.35
7	Abb6	5.5 x 14	SILVER	£56.93
		5.5 x 14	GOLD/WHITE/ETC	£58.65
		5.5 x 14	COLOURED POLISHED	£62.10
		6 x 14	SILVER	£75.61
		6 x 14	GOLD/WHITE	£79.35
		6.5 x 4	SILVER	£78.78
		6.5 x 14	GOLD/WHITE	£84.53
8	Abb7	7 x 5	SILVER	£97.18
		7 x 15	GOLD/WHITE/ETC	£100.63

EXIM			
KEY	REF NO	SIZE	PRICE
9	Abb1	6 x 13	£69.58
10	Abb1	6 x 13	£71.13
		6 x 13	£80.39
		6 x 13	£72.68

KEY	REF NO	SIZE	COLOUR	PRICE
11	Abb3	7 x 4	SILVER	£83.38
		7 x 14	GOLD/WHITE/ETC	£84.81
		7 x 14	COLOURED POLISHED	£91.71
		7 x 14	TWO TONED	£96.25
12	Abb4	6 x 15	SILVER	£81.85
		6 x 15	GOLD/WHITE/ETC	£83.38
		6 x 15	COLOURED POLISHED	£90.28
13	Abb6	7 x 15	SILVER	£112.11
			GOLD/WHITE/ETC	£115.00
			COLOURED POLISHED	£125.11
			TWO TONED	£118.73

- Prices shown for single wheels only
- Prices include nuts and centre caps
- Please state, when ordering, make, model and year of car.

*Cars
of
Interest*

STRATTON

**WHEEL CLEAN KIT**

Keeps your wheels looking like new

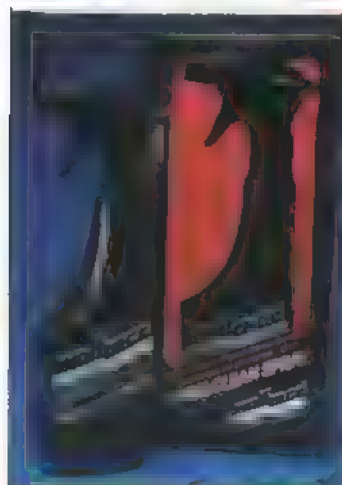
The combination of four brushes and acid free solvent spray have been specially designed to solve the problem of cleaning all types of steel and alloy wheels (as used by leading car manufacturers)

C1065 £11.49

WHEEL CLEAN DISCS

These uniquely designed Wheel Clean Discs prevent brake dust and corrosive materials coming through the wheel onto the outside face. Made from high temperature resistant "Ethylene Propylene Die Molymer" rubber moulded onto a pressed steel centre with a universal fitting for most steel and alloy wheels, they can be fitted by the enthusiast in around 15 minutes. When ordering please state exact Make, Model and Year of your car.

C1066 £16.95

**WHEEL CLEAN SPRAY**

An acid free solvent cleaner designed to remove all grime and corrosive substances from the face of the wheel and keep it looking like new

C1067 £11.49

WOLFRACE WHEEL CARE**MOTOPOL CHROME POLISH**

Cleans and protects against corrosion, discolouration and tarnish on all types of bright metal finishes.

C1068 £0.98

WHEEL SPRAY KIT

The latest Wolfrace Wheel Care product and unique to the market-place. This kit contains everything necessary to restore and repaint a set of old steel or alloy wheels to pristine condition. Solvent cleaner, production paper, protective mask, primer paint, etc., in total there are 17 components with comprehensive instructions.

C1069 £12.98

Also Available:

- Rim and Radial Brushes
- Bolt-On Plated Valves
- Colour-Matched Valve Covers
- Wheel Spacers
 - 3mm x 4B & 6mm x 4B
 - 3mm x 5B & 6mm x 5B
- Red Alert Valves

**RUBBER CARE SPRAY**

Modern cars have rubber mouldings galore—bumpers, trims, flexible spoilers, wheel arches, etc. All of these need Wolfrace Rubber Care Spray to restore them to their original finish and keep them that way. It removes dirt and grime leaving a natural shine which protects in all weathers and nourishes it for longer life.

C1090 £3.95

**COSMIC ALLOY ROAD WHEELS**

Precision engineered to the highest standards, exhaustively tested to International standards. All wheels are finished with an epoxy powder coating for ease of cleaning and protection. Cosmic alloy wheels add real style to any car. There is a choice of two very distinctive styles.

COSMIC MK2

The classic Cosmic wheel. Available in 5" x 10" and 6" x 10" sizes for the Mini. Finished in black.

C1056	5 x 10 in	£34.95
C1057	6 x 10 in	£44.95

COSMIC RIBSTER

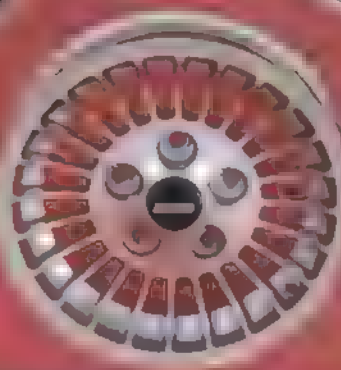
Stylish and streamlined, a wheel with real flair. All silver finish. Available in 5" x 10", 5 1/2" x 13" and 6" x 14" sizes to fit a wide range of cars.

C1058	5 x 10 in	£34.95
C1059	5 1/2 x 13 in	£57.50
C1060	6 x 14 in	£60.50

COSMIC STEEL ROAD WHEELS

Smart, eight spoke style, with white epoxy powder coated finish and hand painted red and blue pin lines. Available in sizes 5" x 10" and 5 1/2" x 13" to fit a range of popular cars. Hub caps inclusive if requested. All Cosmic wheels, steel and alloy are of British manufacture.

C1061	5 x 10 in	£24.50
C1062	5 1/2 x 13 in	£27.50

COSMIC MK2**STEEL ROAD WHEELS****COSMIC RIBSTER****WHEEL ARCH EXTENSIONS**

Cosmic offer a choice of three very distinctive designs in wheel arch extensions.

STYLE ARCH

The latest addition to the range. Precision injection moulded for a perfect fit. Manufactured to exacting original equipment standard. Adds style and flair at a reasonable price. Available for Escort, Orion, Metro, VW Golf (pre '84) and Fiat Uno.

C1063	Escort	£39.98
C1064	Orion	£39.98
C1065	Metro	£29.50
C1066	Golf (pre '84)	£39.98
C1067	Fiat Uno	£39.98

MINI WHEEL ARCH EXTENSIONS

Two attractive styles available. All aluminium with a bright anodised finish. Can be left bright finish or painted to match existing paintwork or matt black styrene, they add real flair to the Mini. Both types are easily fitted with self-tapping screws provided.

C1068	Aluminium	£17.98
C1069	Matt Black	£13.95

**COSMIC WHEEL LOCKS**

Protect your expensive wheels and tyres with Cosmic wheel locks.

CHROMED WHEEL LOCKS

Ingenuously designed, a four disc tumbler lock secures a spin free outer cap over the wheel nut/bolt, preventing use of wheel brace. Matching chromed dome nuts/bolts and sleeve nuts also available.

C1070	Keynuts	£10.98
C1071	Keybolts	£13.98
C1072	Sleeve Nuts	£12.98

SUPA-LOCK

The wheel nut lock that fits under most hub caps. Cannot be removed without special wheel brace adaptor key. Provides real under cover protection for your wheels and tyres.

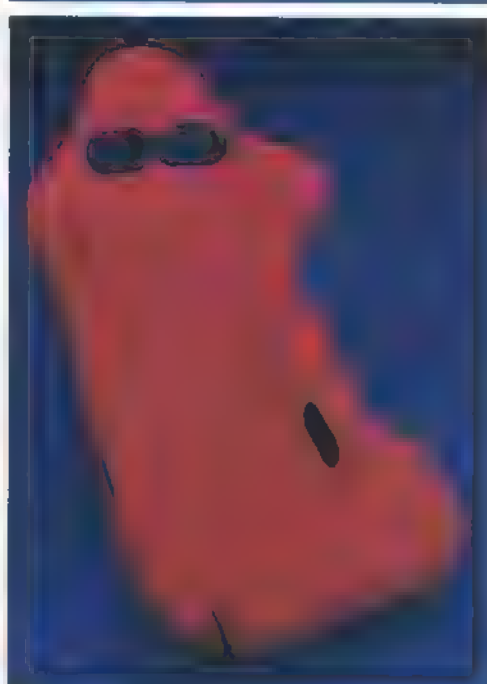
C1073	Supa-Lock	from £7.85
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check application



SEATS & INTERIOR



**MODEL 100**

Fixed Lowback Seat available in plain or striped design with optional head restraint.

MC 4106 Plain £57.00

MC 4107 Striped £67.00

MC 4108 Head Restraint £14.90

MODEL 182**Low Back Recliner**

- Infinitely adjustable recliner mechanism
- Left and Right hand mechanisms available
- Forward tipping facility for two door cars
- Warp knitted Stain Resistant Nylon
- Available only in Black.

MC 3003 182 £79.50

Head Restraint

MC 3004 £14.90

MODEL 382

As model 182 but with integral headrest.

MC 3005 382 £79.90

MODEL 582**Low Back Recliner**

Extra deep body side supports give the feeling of being securely in the seat and not on it. This model also includes an adjustable lumbar support. Available in stripes or self colour tweed fabric

MC 3371 582 £149.90

Head Restraint

MC 3002 £14.90

MODEL 125

This high back clubman seat provides the enthusiast with a high degree of comfort as well as the necessary support when the going gets tough

Designed to take a full racing harness, this seat is extremely competitive

MCXX £59.99

MODEL 150 COMPETITION

This is the ultimate for the serious competitor—lightweight very strong and extremely comfortable providing excellent all round support. It has 5 slots to take full racing harness. Developed in conjunction with a major rally team the seat is extremely strong for tough going

MCXX £129.50

COLOURS

- 100 available in black, black with red stripe or blue with blue stripe
- 182 & 382 available in black, black with red stripe or black with blue stripe
- 582 available in black, black and grey tweed, tan and brown tweed, blue and blue tweed
- 150 available in black, red or blue
- 125 available in black, black with red stripe or black with blue stripe



SABINA SEATING

These British seats have been very popular on the continent for several years and are now being introduced into the U.K. market. They meet the European and American Safety Standards, MVSS Fire Standards.

TOURING RECLINER (1)

- Infinitely adjustable recliner mechanism
- Forward tilt for 2 door cars
- Left or right hand mechanism available
- Various colours available

C1029	Black	£85.98
C1030	Colour	£95.50
C1031	Headrest	£14.98
C1032	Adjustable Lumbar Support	£14.98

SPORT RECLINER (2)

SPORT FULLY ADJUSTABLE (3)

These seats have the same features as the Touring Seats, except they have high sides to give deep support to lower part of body

C1033	Sport Recliner Black	£85.98
C1034	Sport Fully Adjustable Black	£104.50
C1035	Headrest	£14.98
C1036	Sport Recliner Colour	£96.50
C1037	Sport Fully Adjustable Colour	£115.99
C1038	Adjustable Lumbar Support	£14.98

TOURING FULLY ADJUSTABLE (2)

- Infinitely adjustable recliner mechanism
- Forward tilt for 2 door cars
- Left or right hand mechanism available
- Various colours available
- Horizontal thigh adjustment
- Seat cushion can be raised or lowered
- Adjustable lumbar support — Optional Extra

C1039	Black	£104.50
C1040	Colour	£115.99
C1041	Leather	£179.00
C1042	Headrest	£14.98
C1043	Adjustable Lumbar Support	£14.98

FIXED COMPETITION (4)

ADJUSTABLE HIGH BACK (5)

These two seats were originally designed by one of the top rally drivers for all forms of motorsport. They both have four slots for harnesses and can both have a 10% back adjustment

C1044	Fixed Competition	£64.50
C1045	Adjustable High Back	£75.95

When ordering please state Left or Right Hand Mechanism Colour Required. Make, Model and Year of Car

Subframes

C1046	Universal 4 Point Fixing	£12.98
C1047	Tailor Made	£17.98

These are all British seats manufactured in the U.K.
Colour Comp. Black — Cord or Velour
Touring & Sport Black, Brown or Centre Panels Grey Blue Tweed



GTA



Euro GT8



GTS Recliner



GT8



GT8



GTS Trucker

CORBEAU

Corbeau GT seats came into production some 19 years ago as a direct result of the need for a strong but comfortable seat for the club race enthusiast. Over the years this involvement with all forms of Motor Sport has proved to be an ideal development and test programme for the now World famous Corbeau GT seat range.

GTA RANGE

■ **GTA Standard and GTA High Back**

These two models provide the ultimate in seating comfort at low cost, both being compact and handsomely trimmed, and with a lower fitting point than the rest of the range, making them ideal for the smaller saloon/sports car. Trimmed in high quality black material.

MC 3017 GTA Standard Plain	£39.98
MC 3018 GTA Standard Stripe	£49.98
MC 3019 Optional Headrest	£12.00
MC 3020 GTA High Back Plain	£47.98
MC 3022 GTA High Back Stripe	£58.98

GT8 RANGE

■ **The GT8 Recliner.** This seat gives a high degree of lateral support and is produced with a superior

standard of trim.

MC 3023 GT8 Recliner Plain	£79.95
MC 3024 GT8 Recliner Stripe	£89.95
MC 3025 Optional Headrest	£12.00

GT8 RANGE

Euro GT8 Recliner is available in two styles with fully adjustable reclining mechanism or in fixed back form.

MC 4033 Euro GT8 Recliner	£159.98
MC 4034 Euro GT8 Fixed	£139.98

■ **GT8 High Back** provides the ultimate for the competition driver, having provision for the lapstraps of a full harness to pass through the sides of the seat to ensure maximum driver location, and the shoulder straps pass through the seats at the base of the headrest. This seat is used by the vast majority of top British saloon car drivers, and has also been proved in all forms of motor sport including Circuit Racing, Rallying, Autocross and Rallycross. Additional support struts within the framework are designed with driver comfort and particularly, SAFETY, in mind.

MC 3026 GT8 High Back Plain only	£79.95
----------------------------------	--------

COLOURS

GTA, GT8, GT8

Plain: - Beige, Brown, Blue Red or Black

Stripe: - Red, Orange, Blue or Gold

GTS RANGE

GTS Recliner designed specifically with long distance motoring in mind, completely variable reclining mechanism with useful map pocket in the rear as standard. Also available with fully adjustable Van/Trucker arms, as illustrated.

MC 4035 GTS Recliner	£99.98
MC 4036 GTS Trucker	£109.98

COLOURS

Central Stripe: - Orange, Red, Blue, Gold
Tweed: - Combination of Blue and Black
Solid: - Black, Brown, Beige, Red, Blue

SUBFRAMES (for all cars)

MC 3027	£12.49
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Please state when ordering, Left or Right hand mechanism, colour required and Make Model and Year of car.

Please enquire for details of the complete Corbeau range.





Vegas



Classy



Sabrina

CLASSY CHIC**SEMI-TAILORED
BRITISH SEAT COVERS**

Individually Semi-Tailored Seat Covers available for most makes and models of car

These seat covers are designed to completely envelope the original seats so that when fitted the car seats are completely protected and remain as new. The covers are manufactured in fully machine washable fabrics, and are designed to give you the latest in design, fashion and comfort

VEGAS

Velour

Available in Brown, Silver/Grey or Navy

CLASSY

Tweed

Available in Blue, Silver/Grey or Beige

SABRINA

Executive Velour

Available in Blue, Silver/Grey or Beige

Ordering Information

Please state when ordering car, make model and year, style and colour required and optional extras required Available for most makes of car including Alfa Romeo, British Leyland, BMW, Chrysler, Citroen, Colt, Datsun, Daihatsu, Fiat, Ford, Honda, Jaguar/Daimler, Lada, Lancia, MG, Mazda, Mercedes, Opel, Peugeot, Porsche, Reliant, Renault, Rover, Saab, Toyota, Triumph, Vauxhall, Volvo Volkswagen, etc etc

	FULL SET STANDARD	FULL SET HI-BACK	PAIR FRONTS STANDARD	REAR ONLY STANDARD	PAIR FRONTS HI-BACK	PAIR HEADREST COVERS	SPLIT REAR (ADDITIONAL CHARGE)	EXTRA LARGE OR HI-BACK REAR (ADDITIONAL CHARGE)
VEGAS	£32.00	£32.00	£17.00	£17.00	£18.00	£5.00	£5.00	£3.00
CLASSY	£32.00	£32.00	£17.00	£17.00	£18.00	£5.00	£5.00	£3.00
SABRINA	£32.00	£32.00	£17.00	£17.00	£18.00	£5.00	£5.00	£3.00
	example: Cortina Marina Escort Avenger Datsun Toyota	example most makes with Hi-Back front seats	example: *Cortina Marina Escort Avenger Datsun Toyota	example: most makes	example: Porsche Mercedes some Datsun Toyota	example most makes	example Sierra Maestro Metro Stanza	example BMW Granada Mercedes Rover



STRATA

Classical good looks with this cover made from heavy cropped velour fabrics. **Blue or Beige.**

MISTRA

The 'Fashion Pacesetter' — a truly elegant and unique design. **Brown or Blue.**

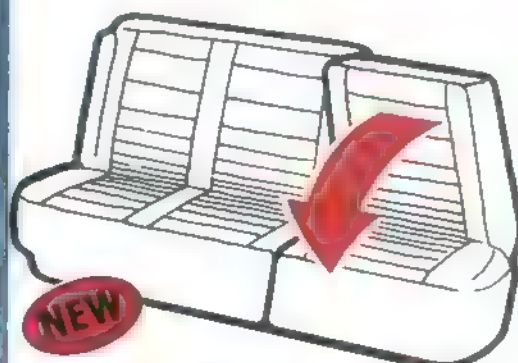


SOLO

For the 'Country Tweed Look', Solo's attractive coarse weave cloth has up to the minute appeal. **Blue or Brown.**

**OPTIMA**

Sporting good looks for young and old alike
Blue/Black or Red/Black.



**SPECIAL REAR SEAT COVERS
NOW AVAILABLE FOR CARS
WITH SPLIT-FOLDING REAR
SEATS**

In Solo, Mistra, and Optima

N.B. When ordering please state make, year, and exact model of car

CONCORD

The luxury fur fabric for deep pile comfort.
Tawny, Black, or Silver-Grey.



SEATZ styled by Veloce, NUMBER 1 styled by Veloce and Concord

- Every seat cover manufactured to the highest standards from good quality fabrics
- All products machine washable for easy care
- Top quality packaging for optimum product presentation
- Available for normal front seats, hi-back front seats, and rear seats, with matching headrest covers available for SEATZ and NUMBER 1 products only
- Specially tailored rear seat covers available for some popular models. Please ask at your local store for details and prices

Style options available

	Pair normal front covers	Pair hi-back front covers	Rear seat set	Split Folding Rear Set Extra
SOLO	£16.50	£18.75	£16.50	£3.95
MISTRA	£16.95	£19.75	£16.95	£3.95
STRATA	£27.50	£30.95	£27.50	—
OPTIMA	£15.98	£19.75	£15.98	£3.95

	Pair normal front covers	Pair hi-back front covers	Full set Normal (two fronts & rear)	Full set hi-back (2 hi-back fronts & rear)
CONCORD	£9.75	£13.50	£13.98	£20.75

Please state when ordering product: Name, Colour, and Styles required.
E.G. Strata, Blue, pair of normal fronts and rear seat set.



A GENUINE SHEEPSKIN SEAT COVER - KING SIZE DRAPE

2" Wool length.

A LONG WOOL Natural shape skin which overcomes the old problem that a skin was a little short for the car seat, Atlantic have joined one and a half skins to give you the King Size on average 55" long with an elasticated strap to hold it in position. Available in Natural colour only

MC 3079 King Size Drape £34.95

Also available in Genuine Sheepskin are the following items:-

LAMBSWOOL STEERING WHEEL COVER.

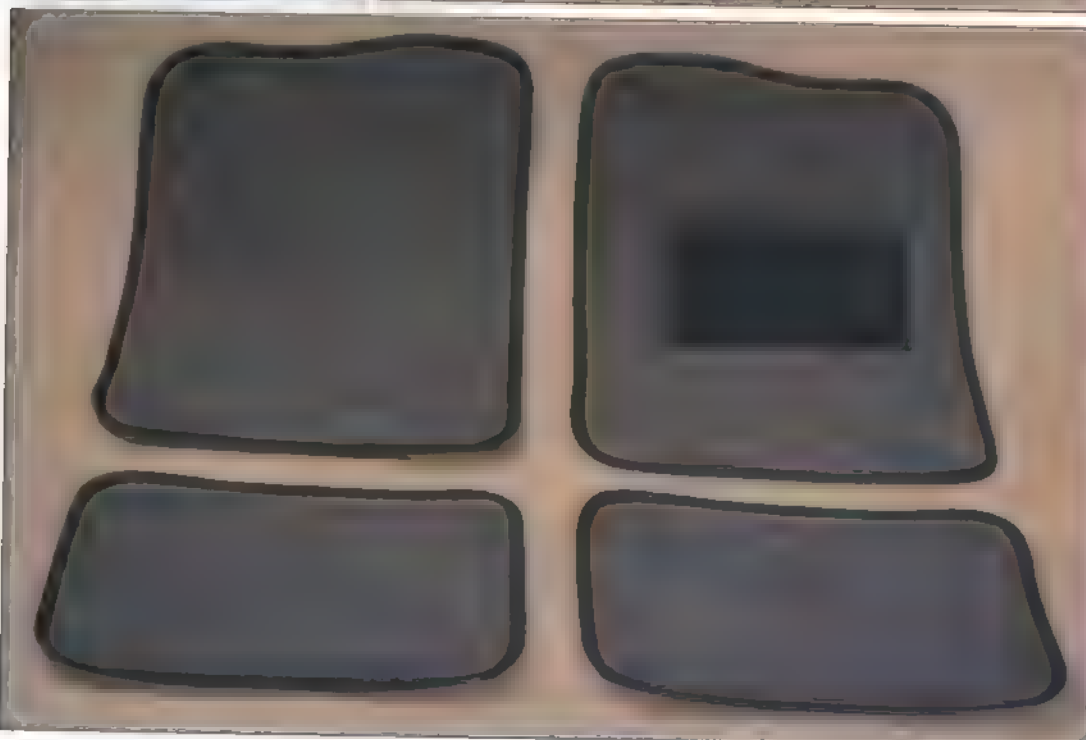
Elasticated fits all standard wheels, in 25mm wool, colours: Natural, Beige or Grey

MC 3080 Steering Wheel Cover £5.95

SHEEPSKIN SEAT BELT COVER

With velcro fastening suitable for taking the strain out of any strap carrying (Golf Bag, Camera Case) the soft option to the hard seat belt strap. Colours: Natural Beige or Grey

MC 3082 Seat Belt Cover £6.95



PUT NEW LIFE INTO YOUR CAR INTERIOR - EASY TO FIT REPLACEMENT CAR CARPETS.

ATCO CAR CARPETS:

Follow the original patterns but are supplied in two main parts for ease of fitting, a Front Carpet with a non-scutt Heel Mat on the drivers side, and a Rear carpet, and where applicable wheel arches and/or sill pieces are provided. The carpets are manufactured from a dense needle punched blend of polypropylene, one of the toughest fibres known to man, then back coated with a special non-rot resin. The Autovelour carpeting is 7mm thick and 780 gsm/m². It will not shrink, fray, distort and is fully insect resistant

GROUP A

Mini all Models, Escort Mk 1, 11 & Popular, Honda 600, Civic Peugeot 104, Imp, Toyota 1000

MC 3083 Group A £29.75

GROUP B

Allegro Saloon, Minor 1000, Marina, BL 1100/1300, TR4, TR4a, Citroen GS, Datsun 100a, F11, N10, 120V, Fiat 126, 127, 850, 124 Fiat 128, 125, Capri, Peugeot 204, 304, Renault 4, 5, 6, Avenger

MC 3084 Group B £34.75

GROUP C

Metro, Allegro Estate, Maxi, 1800, Herald, Vitesse, Triumph 1500 Stag, Toledo, TR6 GT6, Cortinas, Fiesta, Lada 1200, 1500, 1600, Renault 12, 15, Skoda 120LS, Minx, Hunter, Toyota 2000 Corona, Chevette, Cavalier, VW Golf, Escort F W D

MC 3085 Group C £39.75

GROUP D

Daimler Sov., Jaguar XJ6, Spitfires, Granada, Peugeot 305, 504, 505, Horizon, Alpine, Volvo 144, 164, 244, 245, 264, 285 VW Derby.

MC 3086 Group D £44.75

GROUP E

4 W.D. Range Rover, Land Rover, Suzuki, Nova, Daihatsu. We can carpet the above either passenger area, load area, Tailgate, Spare Wheel covers, etc. Prices on application

MC 3087 Group E EP.O.A.

AVAILABLE IN BLACK, GOLD AND GREY Obviously we are not able to list all the cars that we have patterns for, so if your car is not shown above, please ask your store manager

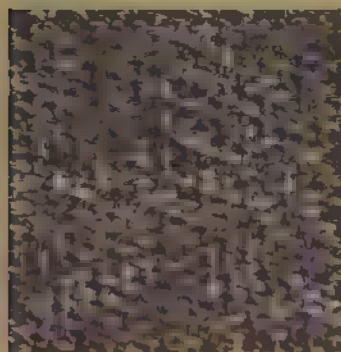
UNIVERSAL PROTECTA MAT SETS (4)

The ideal protection for your Car Carpets, the Protecta-Mat Sets are manufactured from corded foam-backed (for non-slip) polypropylene carpet, cut to a universal size and edge bound to match. The set comprises: 2 Front Mats (27" x 20" app) the drivers' is supplied with a hard wearing non-scutt heel mat, and 2 Rear Mats (13" x 20" app). Available in BLACK, GREY OR BROWN

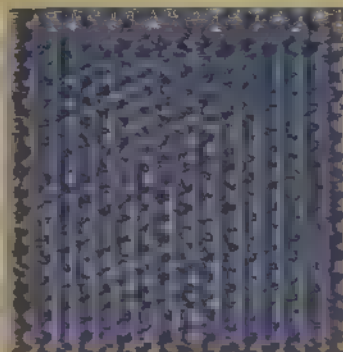
MC 3088 Protecta Mat Set £9.50



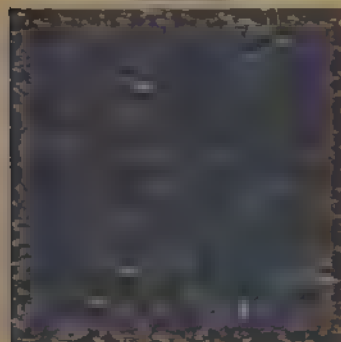
Individually tailored latex backed Sisal mats



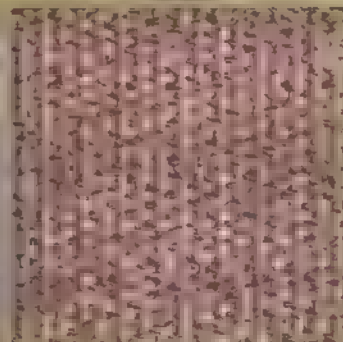
Dark Brown



Slate Blue



Charcoal



Beige

SET OF FOUR MATS

At last! An extremely tough, hardwearing and best of all a good looking alternative to the rubber car mat!

'Weevers' Overcarpets, manufactured in a dense tightly woven mat of 100% pure Sisal are individually tailored to fit your particular car, guaranteeing a perfect fit every time. Choose from four attractive sporty tweed colour combinations that will compliment any car interior. Each set of four mats comes complete with contrasting black piping around all sides and velcro pads on the undersides to eliminate mat movement! A flexible latex back ensures dirt cannot be trapped in the fibres making 'Weevers' very easy to clean with the additional benefits of extra sound insulation. Give your car the kind of protection it deserves.

Available for most makes of cars including: Alfa Romeo, Audi, Leyland, BMW, Citroen, Colt, Datsun, Ferrari, Fiat, Ford, Honda, Jaguar, Daimler, Lancia, Lotus, MG, Mazda, Mercedes, Opel, Porsche, Renault, Rolls-Royce, Rover, Saab, Talbot, Toyota, Triumph, Vauxhall, Volkswagen, Volvo etc.

CC5236 Set of four

£77.50

Ordering Information:

Please state when ordering: Car Make, Model, Year, Manual/Automatic, 2 or 4 door and Colour required.

Weevers





Mini Clubman

ROKEE

Genuine Polished Wood Veneer Facias
Add elegance and luxury to your car by the simple addition of a Genuine Polished Wood Veneer Facia.

- Easy to install
- Requires No Special Tools
- Kits come complete with all Fittings and Instructions

FACIA KITS AVAILABLE**MINI RANGE**

Mini Radio Console (RHD Only)

Mini Clubman/1275 GT
(not recommended with Automatic Transmission)

MC 2391 £52.90

Mini Clubman 998cc/1100cc.

Plus Mini HL, HLE & Mayfair.

Facia Kit

MC 2383 £58.95

Mini Clubman 1275 GT/Mini Special

Facia Kit

MC 2384 £58.95

Mini 850/Mini City

Facia

MC 2385 £58.95

Mini 1000 & all Coopers

MC 2386 £58.95

Mini 850 (with fresh air vents)

MC 2387 £58.95

Mini 1000 (with fresh air vents)

MC 2388 £58.95

Mini Door Facias

Mini (with sliding windows) set of 2

MC 2389 £22.85

MINI METRO

Facia Kit

MC 2377 £74.96

Heater and Glove Box Finisher

MC 2378 £32.95

Metro Petite Facia

Alternative Kit retaining open parcel shelf (includes heater and glove box finisher)

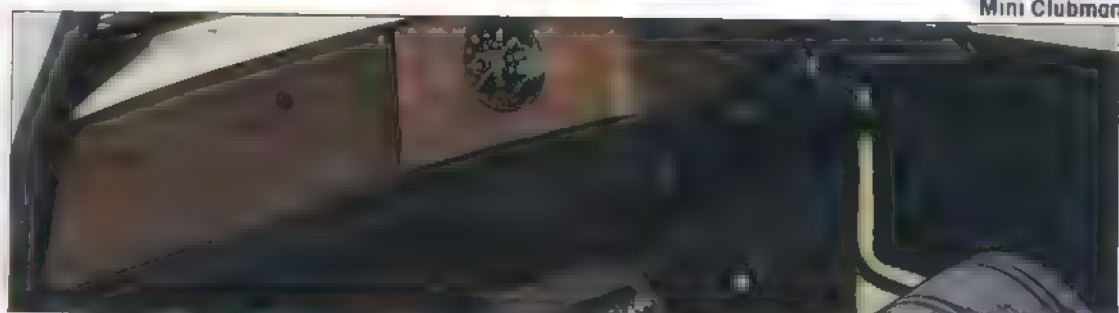
MC 2392 £66.98

Radio Console (manual transmission only)

MC 2379 £51.95

Door Facias (set of 4)

MC 2380 £52.95



Mini



Mini Metro Petite



Golf GTI

VOLKSWAGEN GOLF

— up to '81 (LS, GLS & GTI)

Facia

MC 2400 £48.45

Door Facias set of 4

MC 2401 £34.98

— From '81 (GTI & GLI-shown)

Facia

MC 2402 £66.98

Door Facias set of 4 (not GLI)

MC 2403 £84.98

FORD ESCORT MKII and Popular

Facia

MC 2397 £75.98

Radio Console

MC 2398 £34.98

Door Facia set of 4

MC 2399 £37.95

ESCORT MK III

Door Cappings

C1051 3 Dr £67.80

C1052 5 Dr £67.80

C1053 XR3 £67.80

FORD FIESTA

Door Facia set of 4

C1049 £34.98

Radio Console

C1050 £52.90

MINI 1000 Series

Door and Rear Quarter Cappings
(Burr Walnut)

C1054 320i 81/82 £138.82

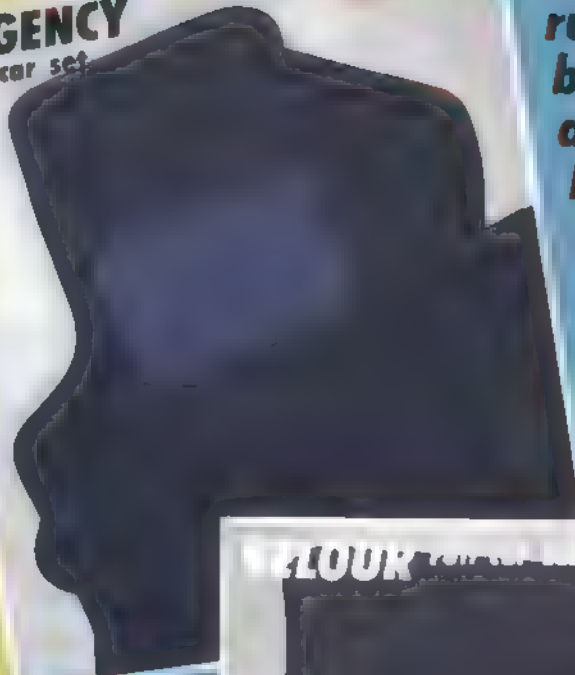
C1055 3 Ser from '84 £138.82

stylex

Custom Tailored Car Mats To Fit Your Car

REGENCY
Full car set

£23.95



**With anti-slip
rubber granulate
backing. Washable
and hard-wearing.
Impervious to Oil
and Water!**

When ordering,
please state :

Colour
Car Make
Model
Year

VALOUR

£29.95



PILOT

£7.95

Heavy edge bound



DUKE

£4.95

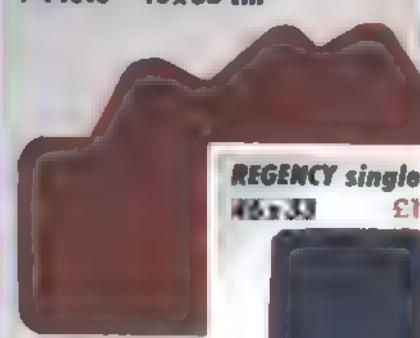
Unbound / No heelpad



DUKE

£2.95

4-Piece 46x33 cm



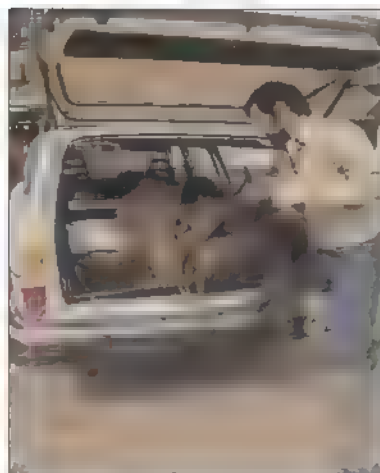
REGENCY single

46x33

£1.10



In ribbed polypropylene with foam anti slip backing
UNIVERSAL MATS Colours : black - brown - red - blue



Armadillo patented Liners enable you to carry foods, tools, merchandise, building materials - even pets in your car with ease. Then in seconds, converts back with no interior cleaning necessary to a passenger carrying vehicle. Specially designed for hatchbacks, estates and vans.

Armadillo Liners offer an economic answer to your load carrying requirements - they're already used to advantage by many car owners.

Armadillo Liners are supplied for a wide range of vehicles, including BL, Ford, Mazda, Opel, Peugeot, Renault, Vauxhall, Volvo, VW etc. The Armadillo range has been designed with the needs of the private or business user in mind - as useful to the housewife as to the tradesman.

- Custom made for most models.
- Easily fitted in and out of the vehicle in seconds
- Easy to clean with hot or cold water and mild detergents

Specify either a full Armadillo when you wish to utilise the whole of the rear with the seats down or a half Armadillo for use with the rear seats up.

- Hygienic - corners specially rounded to avoid collection of dirt
- Excellent protection for your car interior. No more scars, scuffs or stains that can so reduce the re-sale value of your vehicle
- Proven for hygienic transportation of food
- Ideal for pets and small animal transit
- Excellent aid for sales engineers / representatives, with custom service for fleet buyers
- Factory made from high quality rotproof glass-reinforced polyester

C1074	Full liner	£89.50
C1075	Half liner	£79.50

Semi-Universal Half liner (Maestro, Sierra, Peugeot, Passat Estate)

C1076	Semi-Universal Half Liner	£89.00
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DOOR POCKETS

AUTO-PLAS Door Pockets MK1 provide ample storage in an otherwise unused areas of the vehicle. Manufactured in tough grained A.B.S. Plastic for durability. Available in black with a wide range of sizes to suit most applications

DP2/1	20cm 9" x 7" x 2 1/2"	£1.70
DP3/1	30cm 13" x 7" x 2 1/2"	£1.80
DP4/1	40cm 17" x 7" x 2 1/2"	£1.90
DP5/1	50cm 21" x 7" x 2 1/2"	£2.10
DP6/1	60cm 25" x 7" x 2 1/2"	£2.40



Mini Vista



SPEAKER POCKETS

AUTO-PLAS Speaker Pockets are a convenient way to fit speakers onto your car door. They also provide additional storage space. Each pocket is equipped with a 4 Ohm 8 Watt speaker. Finished in black grained A.B.S. Plastic. Packed in handed pairs

SP/2	35cm (14 x 6 1/2 x 2 1/2 ins.)	£18.95
SP/3	53cm (21 x 6 1/2 x 2 1/2 ins.)	£19.95



Mini Supernova

DASHES

The AUTO-PLAS range of dashes is available for Mini's, Beetles & Escort 1.

EDU	Escort	£22.95
MDVRH	Mini Vista (Shown)	£23.95
MDSRH	Mini Supernova (Shown)	£23.95
EDT	Beetle Lower dash tray (not 1302 or 1303)	£15.95



APPOLLO OVERHEAD CONSOLE

This console will fit most cars and is manufactured in black ABS material. It is supplied with 1 speaker 2 courtesy lights, 1 directional map reading light and incorporates 3 rocker switches. Fitting instructions are included.

C02 £27.95



INSTRUMENT PODS

AUTO-PLAS offer a comprehensive range of pods for dashboard or console mounting. Offered in single, double, treble and quadruple instrument aperture forms — with D type having one centre aperture suitable for a speedometer or tachometer and a smaller aperture either side suitable for the usual instruments

A1	1 Hole Pod	£2.30
A2	2 Hole Pod	£2.70
A3	3 Hole Pod	£2.44
A4	4 Hole Pod	£3.49
D	3 Hole Only	£3.49

CASSETTE HOLDER

AUTO-PLAS Cassette Holders are designed to store four music cassettes. The unique snap action ensures that the cassettes, in their cases, are held securely ready for easy removal.

CH1 £1.70



SPECTACLE CASE

AUTO-PLAS Spectacle Cases are produced from tough A.B.S. Plastic. This useful product has been developed to protect spectacles whilst keeping them at hand.

SC1/B £1.70





AIR PRESS®

WINDOW STREAMLINERS

Stylish and functional, these smooth the turbulent air flow over windows and allow them to be open, even a few inches, to provide many all season benefits.

You can choose between two versions, Standard or Plus. For extra comfort the Plus model has an additional side-piece the Blast-Blocker, which reduces annoying buffeting around the head. Do not forget the rear windows too.

- Extracts stale air and aids ventilation
- Reduces drag - improves economy
- Helps keep windows clean in rain
- Reduces window condensation
- Made from test-marked acrylic glass
- Smoke tinted finish screens sun glare
- Neatly secured without brackets or screws

Style B. For cars without quarter-lights

MC 4097 Plus	£35.95
MC 4098 Standard	£30.80

Style A. For cars with quarter-lights, e.g. Golf, Fiesta, Nova.

MC 4099 Plus	£20.50
MC 4100 Standard	£16.50

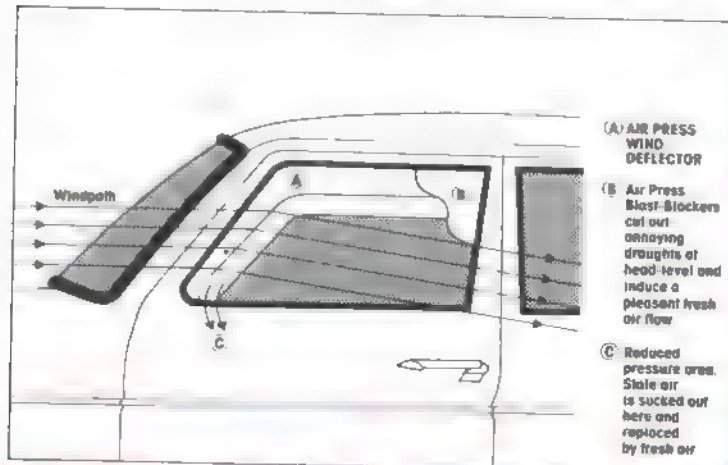
Style G. For rear windows.

£16.50

Style L. For cars with quarter-lights. Full type deflector as Style B.

MC 4101 Plus	£35.95
MC 4102 Standard	£30.80

All Streamliners are sold as pairs. Plus models incorporate Blast-Blockers.



AIR SCOOP

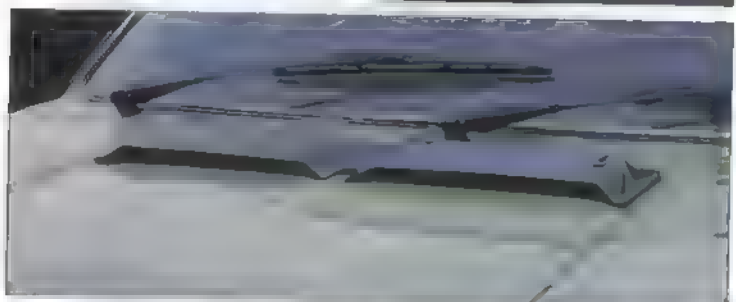
Increases fresh air flow. For: Golf, Scirocco, Escort, BMW 3's, Renault 5, Mazda 323. Can be painted.

MC 4103	£19.95
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DECOR STRIP

A distinctive design in white and blue. Universal application. Cut to size.

MC 4104	£9.95
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AIR PRESS AIR DEFLECTORS

AIR PRESS are world renowned as the experts in the manufacture of highest quality air deflectors for cars. They produce the most comprehensive range available for modern cars and you can choose a type to suit both pocket and taste. Made in Germany, they are aerodynamically designed to make your motoring more comfortable, more economical, and more stylish. These modern, streamlined deflectors will complement the lines of any car and complete the package of other aerodynamic styling aids such as spoilers. Open windows and sunroofs create extra drag, AIR PRESS deflectors reduce this drag by streamlining the air flow, so improving economy. Made from highest quality materials, they are easy to fit and remain secure at all times, even in car washes.

They are supplied to, and approved by many manufacturers and importers in Europe, and now this new range of beneficial accessories for the economy and style conscious eighties, is available in the UK for you to enjoy.

When ordering, please give full car information: make, model, year, no. of doors. Refer to application list in store. Available for: Alfa-Romeo, Audi, BMW, Citroen, Fiat, Datsun, Ford, Honda, Jaguar, Lancia, Lada, Mazda, Mercedes, Metro, Maestro, Opel, Peugeot, Renault, Rover, Saab, Talbot, Toyota, Vauxhall, Volvo, VW.

SUNROOF DEFLECTOR

The only sunroof deflector with Air Control, the fully adjustable vent-flap which can be used to direct fresh air inside the car for extra ventilation, and tune 'tune-out' booming too. Now available with two flaps for individual driver and passenger control. All provide the usual benefits of the Standard deflector without the flap, allowing you to use your car's sunroof to the full, without wind roar and buffeting.

Air Control (single flap)	£35.95
Air Control (twin flap)	£42.00
Standard (without flap)	£29.95



BLIND SPOT MIRROR

For extra safety. Simply sticks to door mirror to give increased visibility of danger spots normally hidden from view.

MC 4105	£1.99
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STEERING WHEELS





Competition 12



Regent

COMPETITION 12

Ideal for competition use
Available in black leather or vinyl with
black anodised or polished spokes. Semi-
dished

Leather Polished Spokes	£32.95
Leather Black Spokes	£34.73
Vinyl Polished Spokes	£23.81
Vinyl Black Spokes	£25.47

Complete with comprehensive boss kit
Please state make & model of car when
ordering

REGENT

Top quality leather is hand tailored from
selected hides and expertly hand stitched to
produce this top of the range wheel. Semi-
dished. Available in 13" & 14" diameter

13" Leather Polished Spokes	£33.85
13" Leather Black Spokes	£35.51
14" Leather Polished Spokes	£33.85
14" Leather Black Spokes	£35.51

Complete with comprehensive boss kit
Please state make and model of car when
ordering



Super Grip



The Successor

SUPER GRIP

This wheel comes completely assembled to
a boss ready for fitting to most popular
models of car. It has a deep dish black
faced frame with a Tan or Black leather
look thick grip cover

MC 3288 Black cover	£11.98
MC 3289 Tan cover	£12.98

Please state make & model of car when
ordering

THE SUCCESSOR

This wheel comes completely assembled to
a boss ready for fitting to most popular
models of car. It has a simulated leather
cover which is hand-stitched in contrasting
white thread on a 13" diameter rim.

MC 3290 Blue pack	£16.98
MC 3292 Red pack	£18.98

Ask your store manager which pack is
suitable for your car



Sport



XA-4

SPORT

This wheel has a thick grip cover in leather-
look vinyl which is highlighted with
contrasting white stitching. Semi-dished. It
is available in 13" and 14" diameter with
black or polished spokes

MC 3293 13" Polished Spokes	£23.61
MC 3294 13" Black Spokes	£25.27
MC 3295 14" Polished Spokes	£23.61
MC 3296 14" Black Spokes	£25.27

Complete with comprehensive boss kit
Please state make & model of car when
ordering

XA-4

This wheel is covered with tailored leather
look vinyl hand stitched with a contrasting
coloured nylon. Available in 13" or 14"
with black spokes only. Semi-dished

MC 3297 13" Black Spokes	£25.33
MC 3298 14" Black Spokes	£25.33

Optional Centre pad

MC 4002	£5.95
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Complete with comprehensive boss kit
Please state make & model of car when
ordering

STEERING WHEELS

The Command range of steering wheels provide a positive improvement to the feel and appearance of any car, and are an excellent investment.

They come equipped with a wide range of bosses to fit most cars, and are in the following combination of colour and sizes:

- 13" 3 spoke, Silver spokes, Black rim
- 13" 3 spoke, Black spokes, Burgundy rim
- 13" 3 spoke, Black spokes, White rim
- 13" 4 spoke, Black spokes, Black rim
- 13" 4 spoke, Silver spokes, Black rim
- 13" 4 spoke, Black spokes, Burgundy rim
- 13" 4 spoke, Black spokes, White rim
- 12" 3 spoke, Black spokes, Black rim
- 12" 3 spoke, Black spokes, White rim
- 12" 4 spoke, Black spokes, Black rim
- 12" 4 spoke, Black spokes, White rim
- 14" 3 spoke, Black spokes, Black rim
- 14" 3 spoke, Black spokes, White rim
- 14" 4 spoke, Black spokes, Black rim
- 14" 4 spoke, Black spokes, White rim
- 14" 4 spoke, Silver spokes, Charcoal rim

C-SW Steering Wheels (All models) £38.00

Please state size, type and colour trim when ordering

AIR COMPRESSOR

COM-140 A light but powerful Air Compressor rated at 120 p.s.i. (maximum pressure). Will inflate an average tyre in 7 minutes and is easily stored in the car for emergency use or to inflate beds, boats, bikes, etc.

Operates from cigar lighter socket or from battery (use clips) direct, and incorporates a pressure gauge on connector hose. A Valuable accessory and an ideal gift.

COM-140 Air Compressor £23.10

ROLLER BLINDS

Sunfilter ROLLER-BLINDS Can be fitted to rear or to side windows on cars, trucks, vans, caravans or boats. They protect from sun-glare, keep interior cooler, retain visibility in use, increase privacy and are easy to fit and use. 4 models, complete with easy to follow fitting instructions.

COM 18 = 2 blinds, 45cm wide

COM 19 = 2 blinds, 50cm wide

COM 20 = 2 blinds, 55cm wide

COM 22 = 1 blind, 42cm 1 blind 35cm (Side windows).

Roller Blinds £8.95

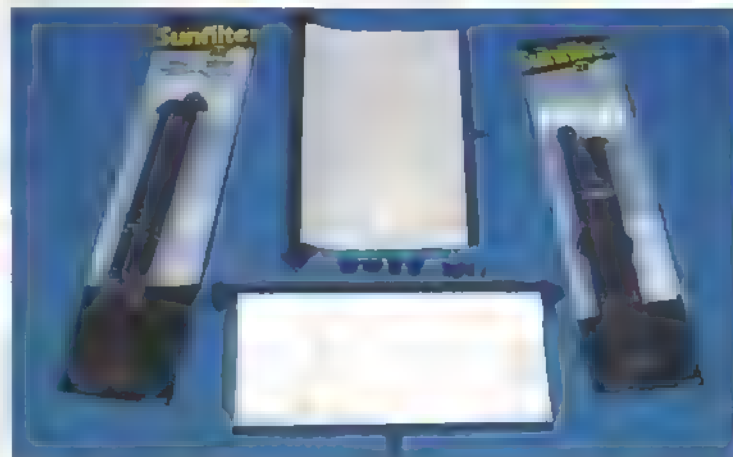
Please state style and size when ordering

CAR POLISHER

COM-2208 A de-luxe Car Polisher, which comes complete with 4 application accessories.

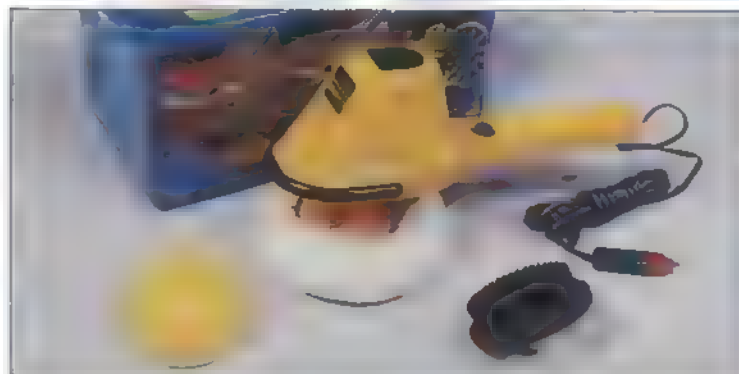
Spreads liquid or soft wax easily and polishes it up brilliantly. Operates from 12v D.C. battery through cigar plug, or can be attached direct to battery by fitting clips. Saves time, and gives really polished results for less effort.

COM-2208 Car Polisher £12.98

**TAILBLAZERS**

Reflective TAIL-BLAZERS will individualise your car. They come complete with 3 alphabet stings templates and easy to follow instructions which will enable you to make up your own text. Model name, motto, team or advertisement. Suitable for most cars, vans, trucks or caravans, and can also be fitted to sides. A very versatile accessory.

C-TB Tailblazer £17.50



THE UNFAIR ADVANTAGE



THE SPAX RANGE

Whether you are a serious competitor, pure enthusiast or every day motorist, the Spax range of products can offer you the ultimate in safety, performance and comfort, achieving everything you would expect from the very best traditions of British design and engineering.

Struts and Levers

Even Keel

Replacement and Competition Coil Springs

New Gas Adjustable Shock Absorbers

Rover Even Keel Conversion Kit

Rover Conversion Kit

MGB Conversion Kit



Spax Ltd.
Ratford Road,
Industrial Estate,
Bloxwich,
WY8 0LW.

BODY STYLING





AUTOPLAS REAR SPOILERS

The Auto-Plus range of rear spoilers are designed to not only enhance the appearance of your car, but to also increase the fuel efficiency. Manufactured in one of the industries most modern factory units, they are of semi-flexible polyurethane which meets world-wide safety requirements, and has a pleasing "feel" to it. Each spoiler is individually matched to a specific model, thereby ensuring an aesthetically planned image.

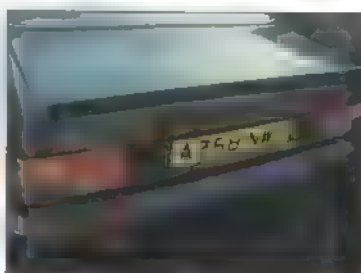
Ref	Group	Model	Year
PU 1	2	Ford Escort III	80-
PU 1	2	Austin Montego	84-
PU 1	2	Fiat Argenta	
PU 1	2	Fiat Regatta	
PU 1	2	Audi 80	83-
PU 1	2	Audi 100/200	83-
PU 1	2	Renault 9	
PU 1	2	Renault 18	
PU 1	2	Mazda 323 s/n	
PU 1	2	Ford Laser s/n	
PU 1	2	Honda Accord s/n	-82
PU 1	2	Honda Accord h/b	-82
PU 1	2	Nissan Sunny s/n	82-
PU 1	2	Nissan Bluebird s/n	84-
PU 1	2	Peugeot 305	
PU 1	2	Toyota Cressida s/n	81-
PU 1	2	Toyota Celica cpe	82-
PU 1	2	Toyota Corolla s/n	83-
PU 1	2	Toyota Corolla s/n	80-83
PU 1	2	Toyota Canna II s/n	83-
PU 2	2	Peugeot 504 s/n	71-
PU 4	2	Vauxhall Cavalier 'C' s/n	82-
PU 4	2	Opel Ascona 'C' s/n	82-
PU 5	2	Vauxhall Cavalier 'B' s/n	75-82
PU 5	2	Opel Ascona 'B' s/n	75-82
PU 6	2	BMW 3	75-82
PU 6	2	BMW 5	75-81
PU 6	2	Fiat 132 s/n	
PU 7	2	Vauxhall Cavalier 'B' cpe	75-82
PU 7	2	Opel Manta 'B' cpe	75-82
PU 8	2	Vauxhall Cavalier 'C' h/b	82-
PU 8	2	Opel Ascona 'C' h/b	82-
PU 9	2	Ford Cortina/Taurus IV/V	
PU 9	2	Ford Granada II	
PU 10	2	Nissan Stanza 5 door	82-
PU 11	2	Volvo 140/240/260	
PU 11	2	Triumph TR7	
PU 11	2	Mazda 626 s/n	82-
PU 11	2	Mazda 626 h/b	82-
PU 11	2	Mazda 929 cpe	83-
PU 11	2	Toyota Canna s/n	78-80
PU 11	2	Toyota Canna s/n	80-82
PU 11	2	Toyota Canna s/n	82-84
PU 11	2	Toyota Camry s/n	83-
PU 12	2	Universal (boot over 48")	
PU 13	2	Daihatsu Charmant	
PU 13	2	Nissan Laurel s/n	83-
PU 13	2	Nissan Stanza 4 door	82-
PU 13	2	Nissan 160J s/n	78-81
PU 13	2	Toyota Crown	82-
PU 13	2	BMW 5	82-
PU 13	2	Peugeot 505	
PU 13	2	VW Santana	
PU 14	2	Vauxhall Astra D h/b	80-
PU 14	2	Opel Kadett 'D' h/b	80-
PU 14	2	Nissan Cherry h/b	79-82
PU 14	2	Chrysler Alpine	75-
PU 17	2	Citroen BX	



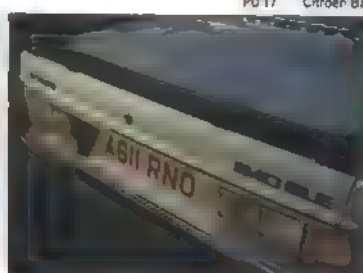
PU 15 MAZDA 626 82 on



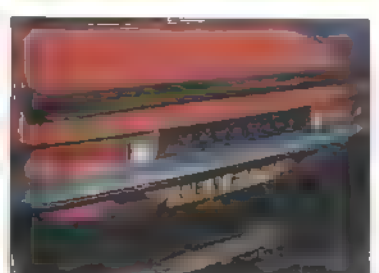
PU 17 Citroen BX



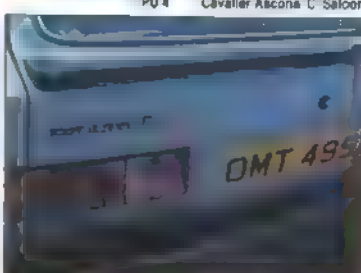
PU 4 Cavalier Ascona 'C' Saloon



PU 11 Volvo 140/240



PU 7 Cavalier/Manta 'B' Coupe



PU 1 Escort



PU 14 Astra/Kadett 'D' h/b



PU 11 MAZDA 626 82 on



PU 6 BMW 3 (75-81)



PU 13 Daihatsu Charmant



PU 9 Cortina/Taurus IV/V

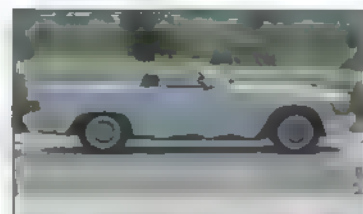


PU 8 Cavalier/Ascona 'C' h/b



Since 1975 ZENDER have been the leading designers and manufacturers of body styling components and accessories in West Germany. This exciting range of high quality products is now available in the UK via GTI Engineering, Silverstone. Most items are made from modern hi-tech materials

thermoplastic, PU rigid foam and RIM 'Aerolastic' and are ready for painting and fitting to your car, giving it the exclusive 'Zender look'.



FRONT SPOILERS

BMW 2002
BMW 3 Series to '82
BMW 3 Series '82 on
BMW 5 Series to '81
BMW 5 Series '81 on
BMW 7 Series
VW Polo 1
VW Polo '82 on
VW Golf 1 (non GTi) Plain
VW Golf 1 GTi Plain
VW Golf 1 (non GTi) Ribbed
VW Golf GTi Ribbed
VW Golf II '84 on
VW Scirocco to '81
VW Scirocco '81 on
Audi 80 '79 on
Mercedes Type 123
Mercedes Type 126
Mercedes Type 201
Mercedes Type 107
Porsche 924
Porsche 911
Renault 5
Renault 5 Gordini
Opel Kadette D

Renault 5 (roof)
Opel Kadett D/Astra
Ford Sierra
Universal Wing Type 1
Mazda 626, Acura B/C, Peugeot 305,
Renault 9 & 18, VW Santana
Universal Wing Type 2
Audi 100/200, BMW 5, Mercedes 107
Citroen Saxo, Opel Rekord
Commodore

£76.48
£82.10
£177.10
£83.83

£73.00

SILL PANELS

BMW 3 Series to '82
BMW 3 Series '82 on
BMW 5 Series
BMW 6 Series
VW Golf 1 GTi/Jetta 1
VW Golf II
VW Scirocco 1
VW Polo II Coupe
VW Passat/Santana
Audi 80 Coupe
Mercedes Type 123
Mercedes Type 201
Mercedes Type 126 (non SEL)
Mercedes Type 126 SEL
Mercedes Type 107 SL
Mercedes Type 107 SLC
Renault 5

£106.66
£112.13
£49.45
£151.80
£106.66
£102.93
£115.00
£105.23
£127.65
£106.38
£170.78
£135.13
£179.40
£179.40
£194.35
£265.65
£261.60
£81.08

REAR SPOILERS

BMW 2002
BMW 3 Series to '82
BMW 3 Series to '82 (wing)
BMW 3 Series '82 on
BMW 5 Series to 6/81
BMW 5 Series 6/81 on
BMW 6 Series
BMW 7 Series
VW Polo 1
VW Polo II Coupe
VW Golf 1
VW Golf 1 (3 Piece)
VW Golf II
VW Jetta 1
VW Jetta 1 (wing)
VW Scirocco to '81
VW Scirocco to '81 (roof)
VW Scirocco '81 on
Audi 80 '79 on
Audi Coupe/Quattro
Mercedes Type 123
Mercedes Type 126
Mercedes Type 201
Porsche 924

£80.38
£59.23
£93.15
£80.38
£80.38
£97.75
£73.00
£78.78
£58.08
£72.45
£46.00
£70.15
£58.43
£60.38
£92.00
£60.38
£60.38
£93.15
£60.38
£116.15
£64.98
£78.78
£88.55
£83.25

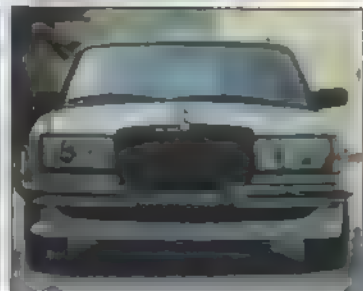
HEADLAMP GRILLE KITS

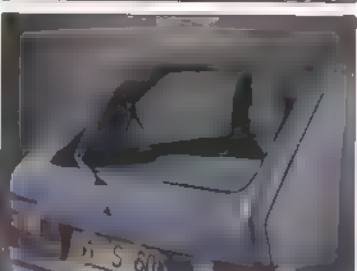
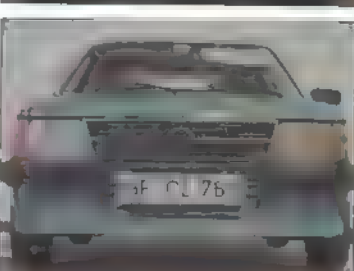
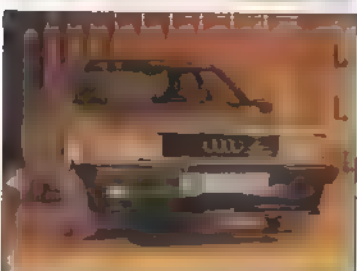
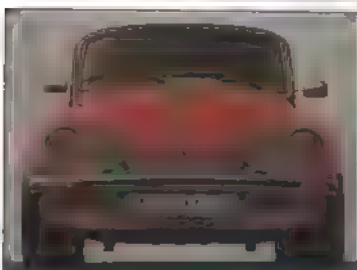
VW Golf 1 Restyled Grille
4 x 5 Lamps
VW Golf 1 Restyled Grille
4 x 7 Lamps
VW Golf 1 Restyled Grille 4 x
Rectangular Lamps
VW Jetta 1 Restyled Grille 4 x
Rectangular Lamps
VW Golf II Restyled Grille 4 x
Rectangular Lamps

£288.45
£182.15
£258.75
£258.45
£258.45

BODY KITS

BMW 2002, 3, 3i Series, Opel Manta B, Ford Escort III, VW
Golf 1, VW Golf II, VW Jetta 1, VW Scirocco 1, VW Scirocco II
VW Polo 1, VW Passat/Santana, Audi 80 Coupe, Mercedes
123, 126, 201, 107





As one would expect with products manufactured in Germany, the quality of Kamei front spoilers is superb. Made from ABS, each spoiler is wind-tunnel tested and a complete fitting kit is supplied. Kamei front and rear spoilers can be painted - please ask for advice.

KAMEI FRONT SPOILERS

CC2152	Audi 80 - 8/79	£46 57
CC2153	Audi 80	£51 34
MC4111	Audi Coupe 3 piece	£140 30
CC2154	BMW 1502 2002	£52 44
CC2155	BMW 3 with lamps	£144 21
CC2156	BMW 3	£62 73
MC4112	BMW 3 - 11/82	£62 73
CC2158	Mercedes	£87 40
CC2159	Ford Capri II > 1/78	£54 62
CC2160	Ford Escort II	£40 42
MC4113	Ford Escort III	£70 15
CC2161	Ford Fiesta	£45 88
CC2162	Honda Accord 8/79 '81	£57 50
CC2163	Opel Ascona A	£34 96
CC2164	Opel Ascona B	£28 40
CC2165	Opel Kadett C	£38 00
CC2166	Opel Kadett D, Astra	£84 12
CC2167	Opel Kadett D, Astra	£54 62
CC2168	Opel Monza, B, B CC Cavalier	£35 19
CC2169	Peugeot 104	£38 22
CC2170	Renault 5	£33 35
CC2171	Renault 14	£33 35
CC2172	Talbot Horizon	£44 78
CC2173	VW Polo 861	
Derby - 1/82		£34 96
CC2174	VW Golf (all)	£36 22
CC2175	VW Golf (all) with lamps	£131 10
CC2176	VW Jetta	£52 44
CC2177	VW Beetle 1302 1303	£36 22
CC2178	VW Beetle 8/67	£36 22
CC2179	VW Passat 7/77	£32 79
CC2180	VW Passat 9/80 8/77	£50 00
CC2181	VW Scirocco 3/81	£50 00
CC2182	VW Scirocco 4/81	£103 50
CC2183	Fiat 127	£40 85
CC2184	VW Polo 9/81	
Derby 2/82		£82 00

KAMEI REAR SPOILERS

Rear spoilers contribute greatly to the stability and performance of vehicles at high speed. Kamei rear spoilers are made from special shock-resistant polyurethane foam. EXAMPLE: A VW Golf equipped with a Kamei rear spoiler - lift-up was reduced by 70% and reduced air resistance yielded 5% more power. Fitting kits and instructions supplied. KAMEI rear spoilers are designed for simple DIY installation.

CC2185	Audi 80 Limousine 8/78	£72 10
CC2186	Opel Ascona B	£72 10
CC2187	BMW 3 Series	£72 10
CC2188	Opel Monza B	£72 10
CC2189	VW Derby, Jetta	£72 10

HATCHBACK STYLE

CC2195	VW Golf (not cabrio)	£47 15
CC2196	VW Golf (with int. stop lights)	£50 85
CC2197	VW Polo - 8/81	£53 53
CC2198	Ford Escort 3	£60 80

1 PIECE SCIROCCO REAR

CC2199	Below Window	£71 01
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SPORTS VERSION STYLE

Audi 80 - 8/78 BMW 3 Opel Ascona B Commodore C Rekord E Senator A Vauxhall Royale Lancia Cavalier

CC2192		£79 00
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Audi 80 7/78 BMW 3 Honda Accord 81 Opel Monza B VW Derby Jetta Cavalier Polo Classic Peugeot 305

CC2193		£72 10
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Audi 100 200 Mercedes 200 280 E Limousine Mercedes 123 Coupe & Limousine Peugeot 505 Cortina 763

CC2194		£88 49
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MC4110	Escort 3	£83 08
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ENGINE COWL FOR BEETLES

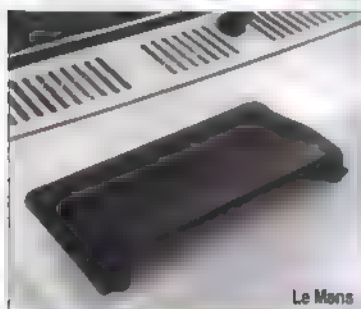
Solves the problem once and for all of water entering the engine compartment. An absolute must for your Beetle. Easy fit. No drilling.

CC2218	Engine Cowl	£14 80
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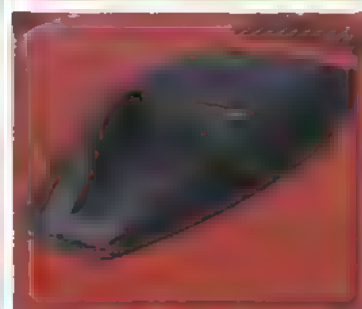




Monza



Le Mans



POWER INTAKES

AUTO-PLAS Power Intakes are newly styled to suit a wide variety of vehicles. They are self adhesive but are supplied with additional fittings to suit individual requirements. Produced from Black grained A.B.S. Plastic

BP1 21" x 15" x 2 1/4" Brands	£7.59
DP1 15" x 14" x 2 1/4" Daytona	£8.74
LP1 13" x 6" x 2" Le Mans	£5.29
MP1 16 1/2" x 9 3/4" x 2" Mini	£5.86
MZP1 8 1/2" x 6" x 2 1/2" Monza	£4.14
ZP1 21" x 11" x 2" Zolder	£9.43

FRONT GRILLE KITS

AUTO-PLAS are pleased to present the latest ABS FRONT GRILLE KIT, which is the perfect solution to providing two large additional Halogen lamps giving the car a total of four lights which will greatly illuminate the road and assist the driver in all conditions. Cible type 35 lamps are exceptionally efficient with unique H2 Bulbs, and are used extensively by rally enthusiasts. The GRILLE KIT comes complete with relays, tabbed washers and loom, and is fitted within minutes with no drilling. GRILLE lamps and all ancillary parts are fully guaranteed. Available for Ford Escort, Ford Corina and Austin Metro

Grille Kits (All Models) £49.50





More and more discerning motorists are realising that a visor does something for what would otherwise be just an ordinary car. That something is style - and we feel that you will appreciate this opportunity to obtain one of the most exciting accessories on the market.

On the practical side, visors protect your rear seats and passengers from the sun - and help keep the interior cool when parked in the open. A clear rear view is maintained by aerodynamic flow deflecting rain and dirt off the rear window - and even in winter, frost and snow fall on the visor, not on the glass. Ample space is allowed for cars with rear wipers.

Rear Screen Visors are available for almost any car and are designed, developed and made in England by Auto Plas - a leading European auto accessory manufacturer. Fitting is simple, with no drilling or screwing required - and the visor is securely retained under all conditions even through a car wash. Complete the order form stating clearly your car's make, model, year of manufacture - and specify whether rear wiper is fitted.

Alfa Sud & Sprint, Mini, Chrysler / Talbot Alpine, Citroen GS & CX, Dyane 2CV, Datsun Cherry, Fiat 131, 132, 124, Honda Civic (Hatch), Renault 5, 20, 30, Volkswagen Beetle, Golf (without wiper), Polo (without wiper).

CC2460 £27.95

Lancia Beta Coupe, Mazda 323 (without wiper), Mitsubishi, Colt 1400, Peugeot 104 (5 door) 305, Renault 12, 16, 15, 17, Simca 1000, 1100, Vauxhall Chevette, Viva, Volkswagen Derby.

CC2461 £29.95

CC2461), Honda Accord (Hatch), Quinter, Civic 3/5 door, Prelude (with wiper), Lancia Beta Delta, Mazda Montrose 323 (with wiper), Colt Celeste, Galant, Sigma, Lancer, Opel (all except Manta (Hatch) and Monza), Peugeot (all except 104 & 305), Renault 14, 18, 17, Saab, Matra Rancho, Subaru, Toyota, Volvo, Vauxhall Cavalier, Royale (not coupe), Carlton, Viceroy, Astra, Volkswagen Passat, Scirocco, Microbus, Golf & Polo (with wiper), Jetta.

CC2462 £33.90

Audi Coupe & Quattro, Jaguar / Daimler XJ6, 12, Rover 2300, 2600, 3500, Range Rover, Mazda RX7, Mercedes-Benz, Colt Sapporo, Opel Manta (Hatch), Monza, Porsche (not 911 Targa), Renault Fuego, Matra Bagheera, Vauxhall Cavalier Sports hatch 3 door, Royale Coupe.

CC2463 £38.45

We have been unable in this limited space to list all available: if your vehicle is not mentioned, please 'phone with full details of your car.

Alfa Alfetta Coupe, Marina, Ital, MGBGT, Dolomite range, TR7, Allegro, Metro, Avenger, Fiat Strada, Ford Capri I, Cortina II & III, Escort I, Fiesta (without wiper) Honda Accord (saloon), Prelude (without wiper),

Alfa Giulietta, Audi (all excluding Coupe & Quattro), BMW, Leyland Princess, Maxi, Chrysler / Talbot Sunbeam, Horizon, Hunter, 180/2 litre, Solara, Citroen LN, Visa, GSA, Datsun (all except Cherry), Daihatsu, Fiat 128, 127, Ford (all except as in



PIRELLI *Trimma*

WHEEL COVERS



STAR' Style — \$24.95 set of 4

This attractive design which compliments any car is available in metallic silver with a high gloss finish, suitable for 13" steel wheels.



P' Style — \$24.95 set of 4

A highly distinctive design with a proven high gloss silver finish. This universal cover is suitable for 13" steel wheels.

Pirelli have designed these two styles of wheel covers with all the flair and technical excellence that is their heritage. These covers are in the best of company, utilising the same advanced materials as used by Ford and Mercedes, on their latest models. The high quality finish consists of two metallic silver coats with a toughened transparent high gloss top coat. All this together with six clips on the reverse to give a firm, positive grip to your wheels, makes these trims the best available on the market.

■ EASY TO FIT

Engineered to fit both front and rear wheel drive cars. Just push them on for a firm positive lock and drive away with confidence.

■ STYLISH

Styled by Pirelli's design team with a finish unsurpassed by anything on the market.

■ EASY TO CLEAN

The smooth high gloss finish cleans more quickly and easily than steel wheels. Even a car wash machine will clean them completely.

■ TOUGH

This material, specially selected to resist the extremes of harsh road use, will ensure good looks for life.



HARRIER



AQUARIUS

NEW WHEEL SHIELDS

INTO THE NEW AGE.

The latest AUTO-PLAS range of wheel covers offer so much for the modern style and cost conscious motorist. Taking this into consideration, AUTO-PLAS designed these wheel covers to compliment and enhance the styling of your car - just look at these features!

- Distinctive styling
- Manufactured in tough, hi-impact A.B.S. plastic
- Easy secure fitting, just push on and away you go!

FIGHTER SERIES: (Silver)

WSP13	PHANTOM	13"	£15.48
WSH13	HARRIER	13"	£16.48
WST13	TORNADO	13"	£16.48
WSM13	MIRAGE	13"	£16.48

MOON SERIES: (Metallic Silver)

WSA13	AQUARIUS	13"	£18.95
WSC13	CAPRICORN	13"	£18.95
WSG13	SAGITTARIUS	13"	£18.95
WSS14	SCORPIO	14"	£19.98



MIRAGE



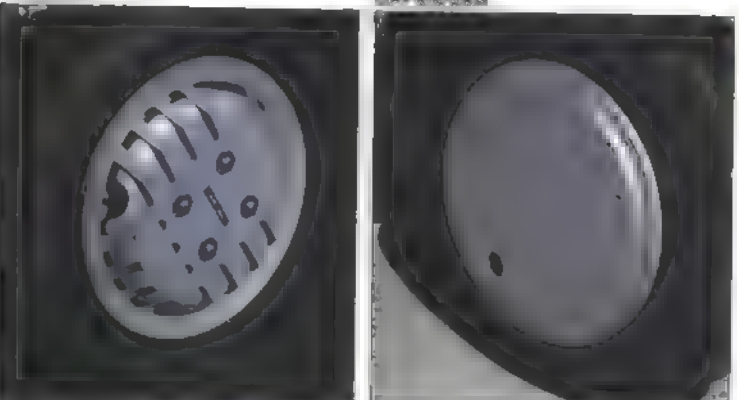
SAGITTARIUS



TORNADO



PHANTOM



SCORPIO



CLOVER PLUS

This 13" wheel shield is the latest addition to the AUTO-PLAS wheel cover range. Using a totally new silver A.B.S. plastic material the wheel cover will retain its appearance even when scratched unlike those which are chrome or sprayed.

Supplied complete with fixing clips which allows easy fitting by just pushing the wheel covers on to the wheel rims.

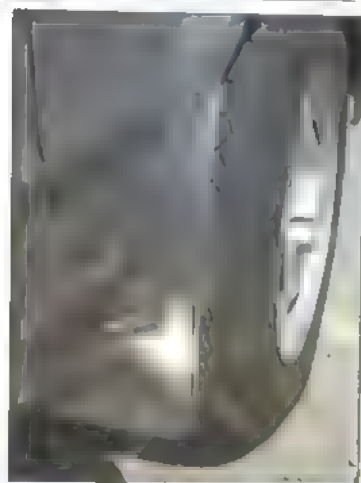
Suitable for the majority of vehicles including those with front wheel drive.

CPWS	13"	£16.65
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TRIM RIMS

AUTO-PLAS Trim Rims add a touch of sparkle to dull, mass produced steel wheels. Available in a choice of finishes and sizes to meet most requirements. Packed in sets of four complete with fittings and instructions.

TRC10	10"	Chrome	£11.48
TRC12	12"	Chrome	£13.80
TRC13	13"	Chrome	£14.95
TRC14	14"	Chrome	£15.98



STAINLESS STEEL SPLATTER GUARDS

Quite simply a highly finished stainless steel mudflap, to enhance the vehicle. Universal fitting.

Large 13 1/2" x 6 1/2"

MC 3329 Pair	£3.98
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Small 9 1/2" x 5 1/4"

MC 3330 Pair	£3.80
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ACCO

tyre chains

FROM £29.95

are the safe and certain answer to motoring in snow, ice, mud, grass or sand.

Easily fitted to most cars on the road today radial or cross-ply tyres. The heavy section chains are twisted flat for tyre protection and are case hardened and heat treated for long life. The chains provide excellent traction with a smooth ride.

CAR TYRE CHAINS

TYRE TYPE	WHEEL SIZE				QUOTE STOCK SIZE	APPLICATION GUIDE	PRICE
	12"	13"	14"	15" & 16"			
Radial	155/SR12	145/SR13 155/SR13 155 70/SR13 165 70/SR13	135/SR14 145/SR14		1206	Allegro, Alfasud, Audi 80, Charmant, Cherry, Escort 1.1, Fiat 128, Ital, Kadett, Maestro, Metro, Peugeot 104, Renault, Talbot, Skoda, Sunbeam, Visa, VW Polo, Derby, Golf, Jetta, Scirocco, Volvo 343 DL.	£29.95
Radial		165/SR13 175/SR13 175 70/SR13	155/SR14 165/SR14	155/SR15	1217	Audi 100GL, Avant GL, BMW 316, Galant 2000, Stanza, Strada, X1/9, Mirafiori, Ford Escort 1.3, Cortina 1.3 1.6 Estate, Orion, Capri 1.6, Sierra, Mazda.	£33.95
Radial			175/SR14	165/SR15 175/SR15 175 70/SR15	1210	Citroen CX, Lancia 2000, Mirafiori Sport, Granada 2.0 2.3, Lancia Beta, Mercedes 200-300D.	£36.80
Radial		185/SR13 195 70/SR13	185/SR14 185 70/SR14 195 70/SR14		1230	Guilietta, Alfetta, Alfa, AC, Audi 80GLE, 100 Avant AL, BMW 320, Ford XR2, Escort 1.6, Cortina 1.6 GL 2.0 2.3 GL, 2.3 Ghia, Sierra Saloons, Opel, Porsche 924, Renault Turbo, Rover 2300 2600 3500, Solara, Tagora, Rancho, Corolla, Corina, Cressida, Celica, Cavalier, Passat, Volvo 244GL-265GLE.	£36.80
Radial			195/SR14 205 70/SR14	185/SR15 195/SR15	1240	Lotus Elite, Esprit, Mercedes 250-500 SEC, Opel Commodore, Senator, Monza, Porsche 924 Turbo, Toyota Crown Super, Tasmin, Royale.	£39.80
Radial		V bar reinforced		205/SR16	2811	Datsun Patrol, Mercedes G Range 4WD, Range Rover, Renault Master Petrol, Toyota Land Cruiser Hilux RN46WD.	£59.90

TRUCK TYRE CHAINS

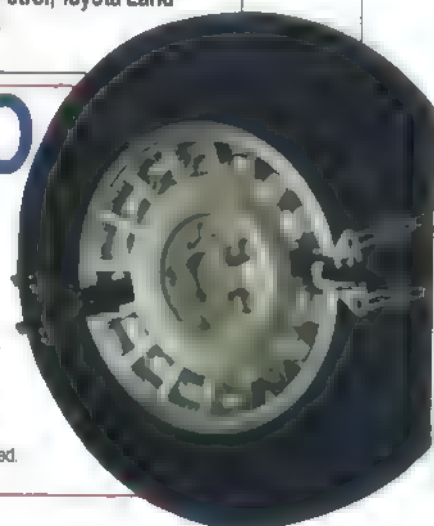
SURE-GO

TYRE SIZE	STOCK NUMBER	PRICE	TYRE SIZE	STOCK NUMBER	PRICE
600-16 670-15	2803*	£49.95	9 00-20 10-22 5	2841*	£94.75
750-16 700-17	2821*	£64.50	10 00-20 11-22 5	2845	£99.00
8 25-15 8 25-16	2828*	£69.85	11 00-20 12-22 5	2851	£119.50
			205/SR16	2811	£59.90

Emergency Tyre Chains

(DO NOT USE FOR CONTINUOUS DRIVING).

These are for motorists who find themselves stuck in snow or ice. They simply strap onto the wheels and provide enough traction to free the car. The chains should then be removed. Designed for cars with wheel slots or spokes, they will fit radial or cross-ply tyres. Cross-chains and side plates are plated and the fabric straps are completely weather proofed.



*Some models have alternative wheel sizes. Preferably tyre size should be used when selecting

**MADE IN BRITAIN****▲ WINDMASTER 'TINTS'**

The new Continental type deflector manufactured in smoke grey. These deflectors have the accent on style and have a larger aperture than the original Windmaster Weather Shield. The Tints are only available in pairs.

When ordering please state Make, Model and Year of car, whether estate or saloon, two or four door.

CC2368	Pair	£29.98
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◀ EECO WINDMASTER WEATHER**SHIELD**

Reduces annoying draughts and enables true window down motoring. Combats cigarette fumes, car sickness and drowsiness. Up to the minutes styling in aerodynamic shape the Windmaster is a must for all those who enjoy fresh air in the car.

When ordering please state make, model and year of car, whether estate or saloon, two or four door. Available separately in either left or right hand (please state this in your order) or as a matched pair.

CC2369	Each	£13.80
CC2370	Pair	£27.60

◀ TOWING BRACKET

Made from high quality steel, designed to be neat and unobtrusive with the D I Y fitter in mind. Over 400 different applications to fit most British, Continental and Japanese cars from 1971 onwards.

CC2228 (most models)	£29.50
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When ordering please state make, model and year of car, whether saloon, estate or hatchback and (especially important for Japanese cars) series number and prefix mark e.g. Datsun 180J 2 door Saloon 1980 Type NPA 10.

ELECTRICS





WHY OWN A CRUISE CONTROL?

In the past few years, cruise controls have grown from infancy to one of the most asked for accessories. Drivers have discovered that not only does a cruise control prevent accidental speeding, and reduce fuel costs by up to 15%, but allows the driver to arrive fresh and relaxed even after long trips. Relieving the pressure on the foot and spine means laughing at speed traps and getting to your destination in fine fettle.

WHY A ZEMCO CRUISE CONTROL?

There are no better performing cruise controls at any price! In February 1983, Zemco's Chief Engineer was invited to present a paper and speak about cruise controls at the SAE show in Detroit, USA. Several hundred of the world's finest automobile engineers listened avidly to this disclosure of Zemco cruise control design and technology. Proof in itself that Zemco controls are unbeatable in price and performance.



ZT-14



ZT-10

MODEL ZT-14 CRUISE CONTROL

The Zemco Cruise Control Model 14 is designed for the driver who wants something a little extra. This outstanding cruise control, which has all the features of the Model 10, also provides an auto trip computer. It's the cruise control with a touch of the bright lights that makes a visible difference! A separate computer module displays distance travelled and elapsed time on trip. Also the precise speed of the vehicle often quite different to the speed reading given by conventional instrumentation. The trip information is automatically re-set whenever the vehicle is started.

- Saves up to 15% on fuel consumption.
- Eliminates driver fatigue
- Prevents back-ache, knee strain and leg cramp.
- Avoids inadvertent speeding and, thus, speeding tickets
- Ensures effortless towing
- Displays trip distance, trip time or actual speed, in english or metric
- Has lighted keys for easy night time operation.
- Fits on all 12V vehicles with standard or automatic transmissions
- Guaranteed for 12 months from date of purchase

MC 3279 ZT-14

\$89.95

MODEL ZT-10 CRUISE CONTROL

The Cruise Control Model 10 is a micro-computer that stores any speed chosen by the driver and continually and accurately holds it. This means that, once a speed has been programmed - this is done at the push of a button - there's no need to touch the accelerator anymore. Whether up hill or down dale, the Zemco Cruise Control adjusts automatically twice every second for smooth, precise cruising that ensures there is no surging or petrol wasting over correction.

Any speed over 25 mph can be set and, of course, as soon as the brakes are touched or a gear is changed, the cruise control is immediately and automatically switched-off. Touching the 'resume' button automatically

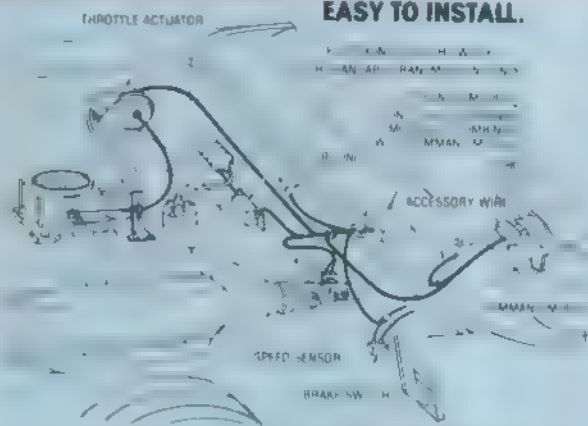
allows the vehicle to resume it's last set speed. Join over a quarter million satisfied owners who give their orders by snapping their fingers but without having to put their foot down!

- Saves up to 15% on fuel consumption
- Eliminates driver fatigue
- Prevents back-ache, knee strain and leg cramp
- Avoids inadvertent speeding and, thus, speeding tickets.
- Ensures effortless towing
- Has lighted keys for easy night time operation
- Fits on all 12V vehicles with standard or automatic transmissions.
- Guaranteed for 12 months from date of purchase.

MC 3280 ZT-10

\$69.95

EASY TO INSTALL.



CRUISE CONTROLS.

TECHNICAL DATA

	Model 10	Model 14
Command Module Size	60 x 40 x 25 mm	60 x 45 x 20 mm
Display Module Size	N/A	80 x 60 x 40 mm
Operating Temperature	-40° to +85°C,	-40° to +85°C
Operating Voltage	11 to 18 V.	11 to 18V
Current Drain (stand-by)	N/A	0.010 A
Memory Retention	N/A	4 to 25 V.
Memory Capacity	N/A	1,000 miles 600 hours
Polarity Protection	-14V unlimited	-14V unlimited



DCS-1



Fuel Manager

MODEL DCS-1

The DCS-1 is the top-of-the-line computer incorporating driving and fuel-management functions. And it even includes a cruise control!

Similar to instruments used in aircraft, this computer puts valuable information about time, distance, fuel and the performance of your vehicle right at your fingertips. Not a calculator operating on fixed information provided by the driver but a true computer operating from automatic data sensors that constantly react to changing conditions - automatically recomputing vital data every second.

The system is designed to provide you

with the most sophisticated data for saving fuel. It can be calibrated for accuracy to any passenger vehicle regardless of engine size and is simply installed on most 12V vehicles.

- All required information for efficient fuel management
- A computerized cruise control.
- Historic and predictable data on time and distance.
- Calibration facility
- English or metric display
- Guaranteed for 6 months from date of purchase

DCS-1 £134.50

FUEL MANAGER

The Zemco Fuel Manager has been designed for the driver who requires only basic operating and fuel management data at the lowest possible price.

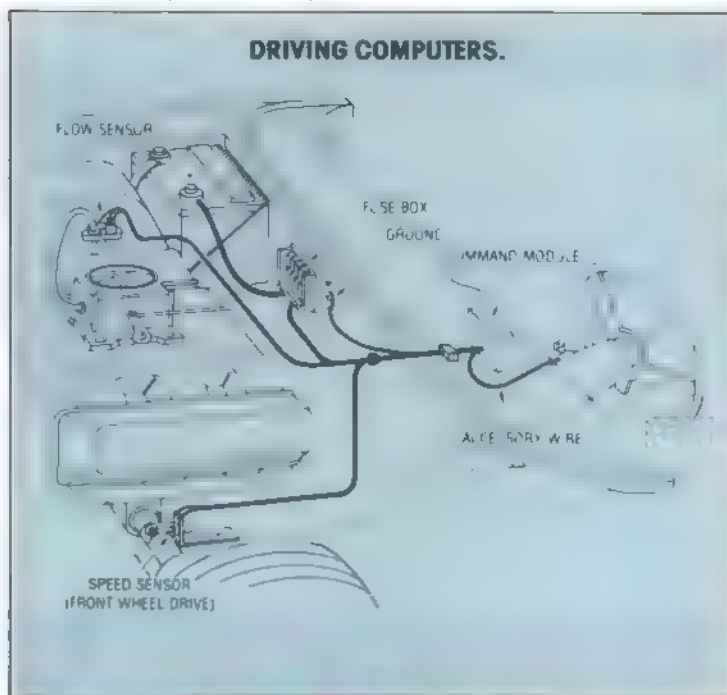
The Fuel Manager computes in current and historic form the fuel used, distance driven, time of day, miles per gallon and miles per hour. It comes factory calibrated but has a calibration feature for fine tuning. Automatically converts to English, Metric or Imperial measurements. LED annunciators indicate which function is being displayed.

An exclusive pedestal mount allows the

computer module to be simply installed above or under dash. Its small size also makes flush, in-dash, mounting possible.

- Basic information for efficient fuel management
- Historic data on distance travelled
- Time of the day
- Calibration facility
- LED annunciators
- Automatic night-time dimming
- English or metric display
- Guaranteed for 12 months from date of purchase

MC 3283 Fuel Manager £59.95

DRIVING COMPUTERS.**TECHNICAL DATA**

	DCS-1	Fuel Manager
Size of Module	177 x 61 x 35mm	120 x 65 x 35 mm
Operating Temperature	-20° to +75°C	-40° to +85°C
Operating Voltage	11 to 18 V.	11 to 18 V
Current Drain	0.050 A.	0.006 A.
Memory Retention	4 to 25 V.	4 to 25 V
Memory Capacity:		
DIST since re-set	12,500 miles	10,000 miles
remaining in tank	1,250 miles	N/A
to arrival	10,000 miles	N/A
FUEL since re-set	250 gallons	2,500 gallons
in tank	250 gallons	N/A
to arrival	2,500 gallons	N/A
Polarity Protection	-14 V unlimited	-14 V unlimited

COMPARISON OF FEATURES

	DCS-1	Zemco Fuel Manager
Cruise Control	Y	NO
Trip Computer		
- Dist Time & Fuel to Arrival	Y	NO
Fuel Management		
- MPG Instantaneous	Y	Y
- MPG On Trip	Y	Y
Metric or English Display	Y	Y
- Fuel Used	Y	Y
- Fuel to Empty	Y	NO
Distance - Since Fill Up	Y	Y
- On Trip	Y	NO
- To Empty	Y	NO
Time - / Day	Y	Y
- On Trip	Y	NO
- Stop Watch	Y	NO
- To Empty	Y	NO
Speed - Instantaneous	Y	Y
- Average on Trip	Y	NO
Calibration	Y	Y
Manual Display Dimming	Y	NO
Automatic Display Dimming	NO	Y

ADAPTORS AND KITS

- **ELECTRONIC FUEL INJECTION KIT** (part no. 1300) Fuel sensor kit is required on all vehicles with electronic fuel injection.

MC 3284 1300 £16.70

- **SPEED PULSE GENERATOR** (part no. 6314) This kit is recommended on any vehicle in which drive shaft or front drive transaxle inaccessible.

MC 3286 / 6314 £15.30

Mechanical Clutch Switch (part no. 3121) Optional kit for vehicles with manual transmissions to provide automatic cruise control disengage when clutch is depressed.

MC 3287 3121 £7.50



RC2T



RC2

ALARM ACTIVATORS AND IMMOBILISERS

(Security devices connected to an alarm to increase its protective capabilities)

RADIO CONTROL (RC2)

A miniature transmitter and receiver with programmable code numbers that switches on the alarm and locks the car doors (via the central locking system) from a distance of 4 metres approx. No more fumbling for keys and switches. Extra transmitters can

be purchased as spares and the personal code numbers can be programmed at will. RADIO CONTROL can also switch on or off any electrical device — e.g. garage doors, car headlights, etc. and connects to any type of vehicle alarm.

RC2 £84.00

For cars without central locking (of the electromagnetic type) GAMMA ELECTRONICS produce simple D.I.Y. conversion kits for 2, 3 or 4 doors.

Additional Radio Control Transmitter

RC2T £27.50



SB11



US2

ULTRASONIC (US2)

This is a remarkable device, having almost failsafe properties. Consisting of a small black control box mounted simply anywhere inside the vehicle and connected to a tiny transmitter and receiver, the US2 will immobilise the vehicle and sound the horn or siren if there is a voltage change within the car's electrical system, i.e. the door opens and the courtesy light illuminates, or if the windows are smashed. Operated by a hidden internal switch, the US2 also has variable entry and adjustable sensitivity settings.

US2 £46.50

ULTRASONIC ALARM (US1)

- Engine immobiliser circuit
- Automatic re-set
- Sounds horn or siren for 30 seconds
- Variable exit/entry delay

(US1) £46.50

NOTE: All Gamma alarms have an automatic reset device which comes into effect after 30 seconds, thus preventing the thief or vandal a second chance.

A NEW RANGE OF VEHICLE PROTECTION

Since their introduction in the U.K. two years ago, Gamma vehicle alarms have firmly established themselves in the forefront of mobile security systems. The Black Magic (SB1), Computalarm (KS13R) and Ultrasonic (USM), have been tried, tested and praised by journalists, motoring organisations and insurance companies for their high levels of technology and security whilst the retailer and consumer have welcomed both the ease of installation and subsequent reliability of operation, two areas of hitherto questionable reputation in the car alarm market place.

Thieves and vandals, however, have also not been inactive during this period, therefore, Gamma Electronics have been developing a new range of security systems to provide the motorists with an unrivalled choice of protection. This new range forms three categories:



KS13R

COMPLETE ALARM SYSTEMS

COMPUTALARM (KS13R)

The ultimate protector. A dashboard-mounted keyboard with digital code control connected to a powerful 100-watt siren. Pressing the 'on' button before leaving the vehicle renders the vehicle alarmed and immobilised. When re-entering, a 4-digit code number is punched out on the

keyboard to disengage the alarm. A 7/30 second entry/exit delay is incorporated, whilst a shockwave Sensor guards against vandalism, smashed windows and forced entry.

KS13R £81.90

BLACK MAGIC SIREN ALARM (SB1)

One of the most popular alarms in Great Britain. A combined electronic voltage drop alarm with 100 db siren — built-in shock sensor wards off vandals — electronic immobiliser prevents the engine being started and a 7/30-second entry/exit delay with hidden switch gives all-round protection. An ultra-simple two-wire connection makes the SB1 a favourite alarm with the D.I.Y. motorists.

SB1 £34.90

BLACK MAGIC SIREN ALARM (SB11)

This is an instantaneous version of the SB1 (no time delay), being operated by an outside key switch and is of particular advantage when used in conjunction with the ULTRASONIC (USM).

SB11 £41.00



B13

GAMMA ELECTRONIC ALARM (B13)

This is a low price electronic alarm and immobiliser that incorporates all the features of the BLACK MAGIC (SB1) and utilises the vehicle horn instead of a siren.

B13 £17.90



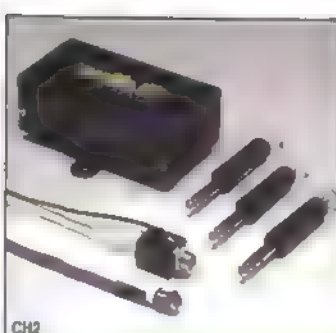
SB20

SUPER BLACK MAGIC ALARM (SB20)

- Electronic siren — extra powerful, 130+ db
- Closed loop circuit (For radio/fog lamp/accessory protection)
- Auto re-cycling unit (will re-sound if doors are left open)
- Built-in fail safe system (will operate if courtesy light fails).

- Engine immobiliser
- Hazard warning light flashing facility
- Shock wave trembler, with new extra sensitive system
- Voltage drop operation
- Metal mounting plate (for easier fitting)
- Boot/bonnet switches included
- Provision for extra siren

SB20 £46.50



SIRENS

(The major deterrent factor for all vehicle alarms)
Nothing wards off a thief more effectively than loud noises. GAMMA ELECTRONICS have therefore introduced a range of sirens that can be connected to all vehicles and most types of alarms. Used to supplement the vehicle horn or as an extra siren, there is a model available for all levels of desired protection and security

SIREN (SP100)

A 100-watt Rotary Wind Siren

SP100

SIREN (SE100)

A 128 decibel electronic modulated Siren

SE100

£29.90

SIREN (SE12)

A 100 decibel electronic modulated Siren

SE12

£22.90

BLACK MAGIC PROFESSIONAL (SBA12)

A self-powered alarm favoured by insurance companies, incorporating all the features of the (SB1) in an armoured case with a rechargeable 12-volt battery. If the thief disconnects the vehicle's electrical system, the alarm sounds until the system is reconnected.

SBA12

£79.90

SIREN (SA12)

A 100 decibel electronic siren in an armoured case complete with a built-in rechargeable 12-volt battery. This Siren, when connected to an existing alarm, will have all the properties of the BLACK MAGIC PROFESSIONAL ALARM (SBA12)

SA12

£89.90



ULTRASONIC (USM)

Already well-established in the vehicle security sector, the ultrasonic sensor, when connected to a car alarm, affords instant protection to the vehicle's interior. The tiny transmitter and receiver measure the air pressure

and activates the alarm as soon as it changes, i.e. when a window is broken or a door opened. Excellent protection for hatchbacks, estate cars, sunroofs, etc.

USM

£27.90



WIRING KITS

WK1

Wiring Kit SB1 & SB11

£3.25

WK2

Wiring Kit All other models

£4.25

KEYTRON (CH2) ELECTRONIC JACK-PLUG

This ingenious device will switch on the car alarm and immobilise the engine by inserting the jack-plug into its socket. With over 200,000 combinations, the KEYTRON is virtually unstealable.

CH2

£32.90

KEYBOARD (GK1)

A dashboard-mounted digital activator that switches the alarm on and off by depressing a four-digit code-number. Failure to depress the correct numbers will sound the alarm and immobilise the engine.

GK1

£48.80



SWITCHES

CB1

Double Pole Key Switch

£8.30

PL (Pair)

Bonnet, Boot, Door Switch

£1.78

IL

Interior Toggle Switch for SB1

£1.99

ILS

Interior Toggle Switch for B13/SBA12

£1.99



CENTRAL LOCKING KITS

Convenience Now you will no longer have to strain to unlock passenger doors when its raining, or the family is loaded with shopping. Everybody can get in at once. Just unlock one front door and every door unlocks!
Safety When one front door is locked from inside every door locks. The occupants are secure and anyone else is locked out.
Security On leaving the car, locking a front door in the normal way locks every door. Without

central locking it is easy to forget to lock a passenger door and risk theft.
Reliable The kit uses the same major parts that many car manufacturers use. Should your car battery go flat manual override is always available.

CL1

Central Locking Kit 1 Door

£35.25

CL2

Central Locking Kit 2 Door

£61.00

CL4

Central Locking Kit 4 Door

£112.50

A COMPLETE RANGE OF SWITCHES, KEYS AND ACCESSORIES COMPLEMENT THE GAMMA RANGE.

GAMMA ELECTRONICS Security Systems are designed and manufactured in part or whole in Italy, France, Great Britain and Japan. All of the alarms are easy to fit and special attention has been paid to providing simple-to-follow fitting instruction in every pack. They are fully guaranteed for twelve months.



GAMMA
ELECTRONICS

BOSCH

The more professional DIY power tools

Bosch have for many years manufactured high quality power tools for trade and industry.

Now you can own a DIY power tool built to the same quality and exacting standards to help you achieve results just like a professional.

HAMMER DRILLS & SCREWDRIVERS



650 2-RLE
SB 350



420-E

470-RLE Variable Speed Reversing Hammer Drill
Featuring Bosch Electronic Control at 470 watts with speed pre-selection and control from 0-3000 rev/min even under a full load, this drill powers its way through concrete. Forward and reverse rotation increases the applications to include screwdriving and loosening, plus use with all Bosch attachments and accessories.

MC 4066 £54.90

650 2 RLE VARIABLE SPEED 2 SPEED REVERSING HAMMER DRILL

Shares all the features of the 680-2E with a 650 watt input. The big difference? mechanical reverse gear! Fully synchronised gear box allows reverse to be engaged at any speed when needed. High torque powerful twisting action for driving and freeing screws, or for rapid cutting of threads. Real advanced technology and all the features that the enthusiast and professional could wish for.

MC 4067 £96.40

SB 350 SINGLE SPEED HAMMER DRILL

The baby of the range which is ideal for your first purchase, or as a versatile back-up drill. Switches from Rotary to Hammer drill. Can be used for drilling, hammer drilling and with chuck fitting attachments for sanding, polishing and de-rusting.

MC 4068 £24.98

420-E VARIABLE SPEED HAMMER DRILL

Greater power input, this versatile tool has electronic speed control, for acceleration from 0-2600 rev/min. Can be used for screwdriving and driving all Bosch attachments.

MC 4069 £43.49

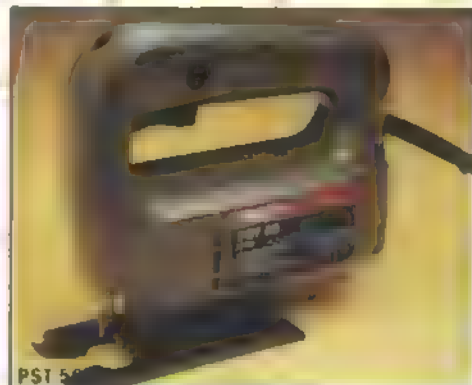
500-2E VARIABLE SPEED/2 SPEED HAMMERDRILL

This powerhouse operates with 500 watts input. It features a fully synchronised 2-speed gearbox. The pre-select switch can select up to nine speeds in each gear. Speeds also continuously variable from 0-3400 rev/min, and can be used with Bosch spindle-driven and chuck attachments.

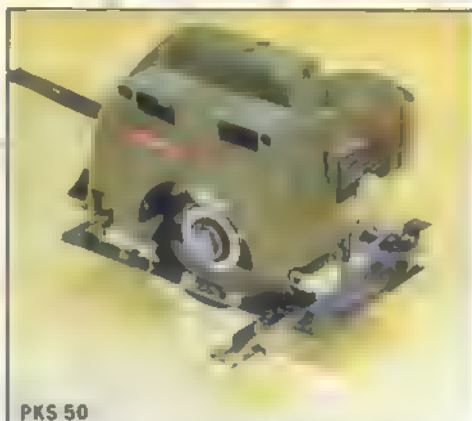
MC 4070 £68.40



500-2E



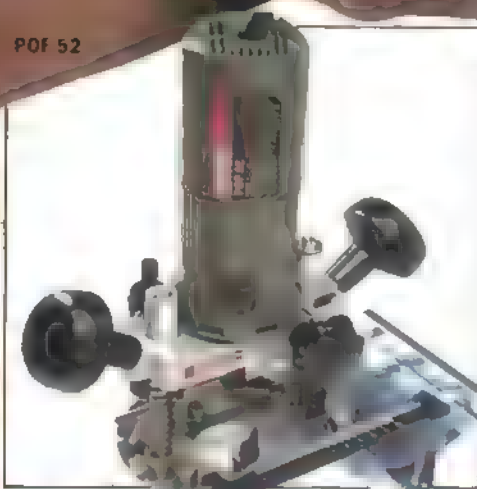
PST 50



PKS 50



POF 52



ROUTER

POF 52 PLUNGING ROUTER

Probably the most versatile of all Bosch power tools. Together with a wide range of accessories, the Router can be used for grooving, rebating, bevel routing, profile and slot cutting, template cutting. To list just a few of its many uses. Large Base Plate including attachments, wide fences, precision depth setting. Twin Guide Knobs, making it safe and easy to handle. Anti-stick coating, glides easily over the work piece and eliminates scratching and marking. The Drive Motor can also be used on its own for free hand grinding or for stationary routing in the S7 Milling Stand.

MC 4093 £49.50

JIGSAW

PST 50 E VARIABLE SPEED JIGSAW

High cutting speed. Specially balanced plunger. Electronic speed control for greater range of applications. Cuts wood, metal and ceramics. Handles light curves with ease.

MC 4094 £28.85

CIRCULAR SAW

PKS 50 5" CIRCULAR SAW

The moderately priced model with 550 watt input and 40 mm cutting capacity. Suitable for bench use due to the inclusion in the design of a stable, three point support surface.

MC 4095 £44.98



PSS 280 A

ORBITAL SANDERS

PSS 280 A ORBITAL SANDER 1/2 SHEET

High orbit rate: orbiting at 10,000 orbits per minute. Provides a superfine finish. Direct drive: less noise. Less wear. Roller bearings facilitate smooth continuous action. Dust extractor: specially built-in to collect dust during operation. Wide-angle clamp: for easy sanding sheet change. Durable backing pad: special rubber that's resistant to solvents.

MC 4072

£34.95

PSS 230 ORBITAL SANDER 1/3 SHEET

Super smooth finish: with the correct sanding sheet, effortless preparation of surfaces can be achieved. Wet or dry: solvent resistant rubber backing plate. Lock switch: for lengthy operations. Dust extractor: available as an optional extra

MC 4073

£28.50



PSS 230



PWS 550

GRINDER

PWS 550 (4 1/2") MINI GRINDER

For grinding, cutting and shaping - in metal and masonry. Ergonomic design for safe, one-hand use. Flattened gear head: for easy access in confined spaces. Impact and fracture-proof housing: made from polyamide. Safe, strong and doubly insulated. Ball bearing motor: with high performance gears. Variety of accessories: discs for steel and stone, fibre backed sanding discs; backing pads and wire brush

MC 4071

£58.90

VACUUM CLEANER

PAS 800 ALL-PURPOSE VACUUM

High capacity: large diameter hose will clean up wet leaves or wood cuttings, grit, glass dust, dirt or water. Effectively and efficiently. Tough, rugged construction: water-proof and non-rusting. Large size filter: pleated, and easy to clean. Floating valve: automatically cuts out when full of liquid (17 litres). Blower connection: if it can't be suction cleaned, simply convert to a blower and blast it away! The perfect alternative to the traditional domestic cleaner

MC 4096

£95.25



PLP 100



PKP 12-E

GLUE GUN

PKP 12-E GLUE GUN

Glue feed by thumb pressure. The output is 12 g per minute and heats up ready for use in minutes

MC 4074

£8.95

SOLDERING GUN

PLP 100 SOLDERING GUN

For soft soldering, cutting polystyrene, welding thermoplastics and gravure work in wood. Long life tip: rapidly heated and easily interchangeable. Energy saving: only heats up when switch is depressed. Illuminator: lights up soldering areas. Safety transformer: high electrical throughput. Tool rest: flattened shoulder ensures safety during breaks in soldering.

MC 4075

£15.95

VACUUM CLEANER

ASG 3 CORDLESS VACUUM CLEANER

The handy sized cleaner that's always at the ready. No power line: makes it ideal for use in awkward corners. Charging unit: combined charger and storage bracket - cannot over charge. Functional design: quiet running motor. LED light to indicate need for recharging; Inclined nozzle for perfect intake

MC 4076

£28.49



PAS 800



ASG 3



Electronic Ignition

SX500 (Contact Triggered)

- Keeps Ignition in Tune
- Stops Arcing at Contact Breakers
- Greatly Extends Contact Breaker Life
- Eliminates Low Speed Misfires
- Gives Easier Starting and Smoother Running

SX500 £17.85

SX2000 (Contact Triggered)

- Reactive Discharge Electronics combining all the advantages of both Inductive and Capacitive Discharge for maximum spark performance
- Gives the most thorough combustion of air/fuel ratios especially current lean mixture emission controlled engines
- Patented clip to coil fitting
- Systems Function Light as well as Static Timing Light
- The ultimate brand leading contact-breaker triggered system

SX2000 £34.98

TX1002 (Contactless)

- Can be operated utilising 'Hall Effect' triggerhead or existing contact-breakers
- Extended Dwell Inductive Discharge for maximum spark efficiency
- Three Position Switch
- Systems Function Light
- Robust die-cast case
- Protected from the hostile environment of the engine compartment
- Static Timing Light
- Patented clip to coil fitting
- Fully Waterproof

TX1002 £49.49

TX2002 (Contactless)

Combines all features of the TX1002 plus:

- Reactive Discharge combines Inductive and Capacitive systems, for maximum spark performance
- Incorporates unique auxiliary changeover switch

TX2002 £69.95

HT LEADS (Boxed sets)

- Guaranteed 100,000 miles
- Fully waterproof plug and coil connections
- Superior radio interference suppression especially VHF/CB Radio
- The highest spark performance from 'unique' metallic core
- Constant quality spark for easier starting and better economy
- Far superior performance to carbon cored leads

4 Cyl £4.75

6 Cyl £9.95

Anti-theft devices

AT-40

- Guards doors, boot, bonnet from unauthorised entry
- Also protects valuable accessories and auxiliary lighting
- Armed and disarmed using concealed under-dash switch with 30 second delay to arm - 7 second entry delay (can also be wired to an external key switch)
- Flashes headlights and sounds car horn when activated
- Easily fitted by the average D.I.Y. Motorist

AT-40 £17.98



AT-80

- The most sophisticated and complete vehicle security system available
- Programmable personal code entry system to arm and disarm
- No exterior bodywork drilling
- Armed and disarmed using unique magnetic

key fob against windscreen and sensor pad adhered on inside

- Guards doors, boot, bonnet plus radio/tape and auxiliary fog/spot lamps
- Flashes headlamps and intermittently sounds horn for both visual and audible alarm
- Easily fitted by the D.I.Y. enthusiast

AT-80 £39.98

780 EXTENSION REEL

The Stadium 'Easy Winder' cable extension reel has 15 metres (50ft) of 6 amp maximum load cables. Fitted with quality socket and fused plug. Robust construction for professional and D.I.Y. use. Designed for smooth and easy winding. B.A.S.E.C. approved and conforms to B.S. 6500

MC 4038 £10.88

'7 SERIES' INSPECTION LAMPS

The '763 Switched Lamp' is a 240V AC Lamp with B.C. bulb holder for 60 Watt bulb. It is supplied with 5 metres of cable and 13 amp plug. The '766 Unswitched Lamp' is a 12V DC Lamp with E.S. bulb holder complete with 50 Watt bulb. It is supplied with 5 metres of cable and clamps

MC 4039 (763) £8.98

MC 4109 (766) £8.98

263 'ADJUST-A-GRIP' LAMP

A 240V Lamp with B.C. bulb holder for 60 Watt bulb. 'Adjust-a-Grip' handle assembly ensures firm attachment from 1/4" to 4". All metal parts are rust-resist zinc plated. Available with or without 3 metres of cable.

MC 4040 £6.49

262 MULTI-GRIP LAMP

For the professional! Grip adjusts from 1/4" to 4". Robust construction, all metal parts are rust-resist zinc plated. Fully patented, conforms to the Electrical

PIRCK ELECTRONIC IGNITION

A completely contactless kit with optical trigger suitable for 12V negative earth only. Probably the best electronic optical ignition system in the world. Extensively used by serious competition drivers to ensure maximum performance under demanding competitive conditions where performance really counts. Fit Piranha and get really constant performance with 'the competitive edge'.

C1078 £49.98

COSMIC PIRANHA ELECTRONIC IGNITION

Solid state electronics for reliability, electronic ignition helps give better starting, smoother running, increased power and fuel economy

C1079 £19.98



Equipment Safety Regulations 1975. For use with 60 Watts B.C. or E.S. lamp.

MC 4041 £8.95

574 SNOW SHOVEL

An inexpensive motorists shovel - handle unscrews for easy storage. Made from tough ABS plastic. Ideal for emergency use.

MC 4045 £4.98

761 4-LINE MAINS SOCKET-OUTLET

13 amp fused - Robust 4-way socket, ideal for garage, workshop, office or home use. Can be trolled or screw fixed to the wall.

MC 4043 £9.98

453 AUTO-TIDY

A handy and tidy way to carry tools, parts

etc., for use in the home, garage and workshop. Size: 16" x 11" x 5

MC 4044 £1.98

**COSMIC BOOT RACKS**

Extra luggage capacity for the sports car enthusiast. Attractive styling, easily fitted and removed or may be permanently fixed

'RIVIERA'

Chrome plated all tubular steel design. Very generous luggage platform. Elegant styling the classic boot rack

C1080

'TREKKER'

Lightweight anodised fitted with marine varnished hardwood slats. Practical and efficient. This model also available for small

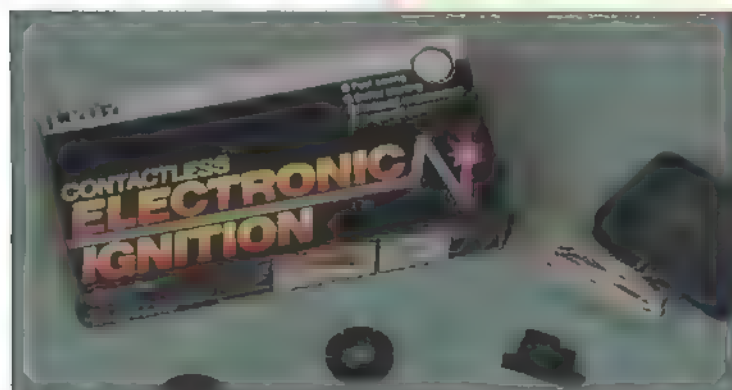
extra cost, with steel tube frame chromed for durability

C1081 £15.95

COSMIC DOG GUARD LUGGAGE BARRIER

The 'Universal' model is adjustable from 860mm to 1420mm wide, and 630mm to 1090mm high making it suitable for a wide range of estate cars. Finished in epoxy powder coated steel and anodised aluminium for practical durability

C1083 Universal £11.85
C1084 Hatchback £9.85



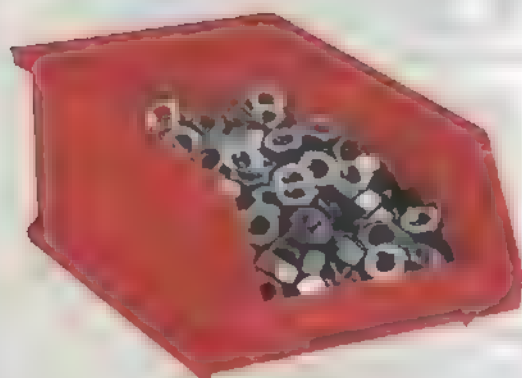


sedan

INTERNATIONAL



...and many, many more...



ALLIBIN

STORAGE CONTAINERS

The complete answer to
Home Workshop & Garage efficiency

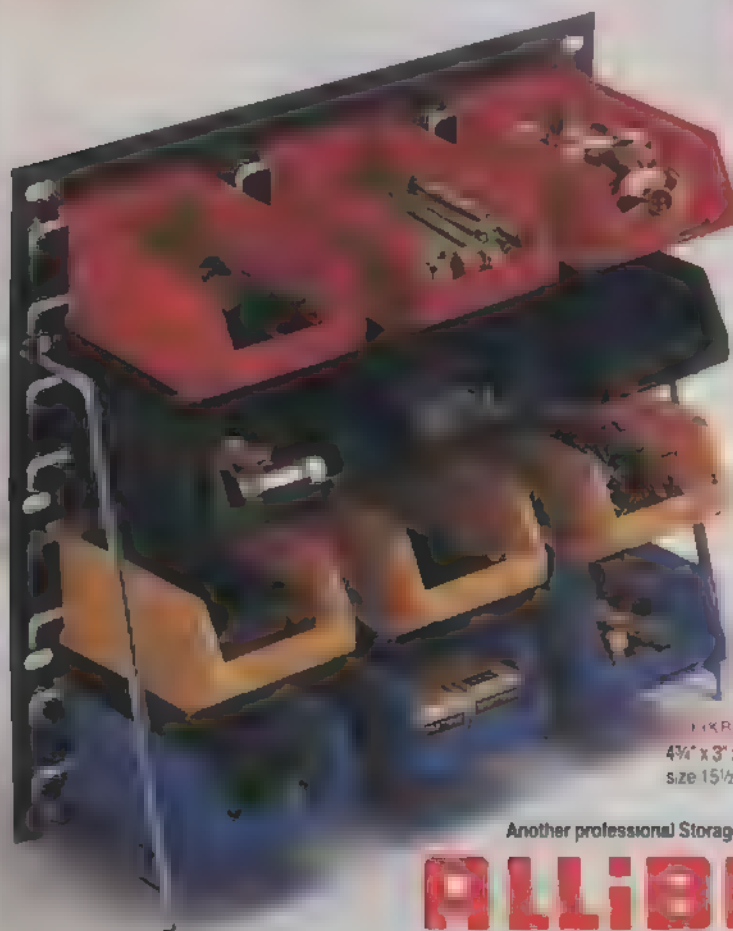
Europe's largest plastic processors introduce ALLIBIN — the small item storage system that's ideal for your home garage or workshop. Allibin Containers are light yet immensely strong — and you can lift them on and off their location points as required. Perfect for storing 1001 items, that won't get lost in future. Choose from NIFTYRAK, ALLIRAK, or WORKBOX storage systems. Any or all of them could be perfect for your needs — for years to come!

NIFTYRAK PACK 1 Comprising 4 containers approximate size 6" x 9" x 5", steel rail with screws and plugs. £8.28

NIFTYRAK PACK 2 Comprising 6 containers approximate size 4" x 6" x 3", steel rail with screws and plugs. (Illustrated) £6.60

NIFTYRAK PACK 3 Comprising 3 containers approximate size 6" x 9" x 5", steel rail with screws and plugs. £6.44

NIFTYRAK PACK 4 Comprising 4 containers approximate size 4" x 6" x 3", steel rail with screws and plugs. £5.06



ALLIRAK PACK 1 Grey steel back panel with 12 containers each 4" x 6" x 3" approx, screws and plugs for wall fixing. £10.08

ALLIRAK PACK 2 Grey steel back panel with legs and 12 containers each 4" x 6" x 3" approx. £14.53



WORKBOX Comprising 9 mini boxes size 4 3/4" x 3" x 2 1/2" approx. All in a strong outer box size 15 1/2" x 11 1/2" x 3" £6.69

Another professional Storage System from

ALLIBERT

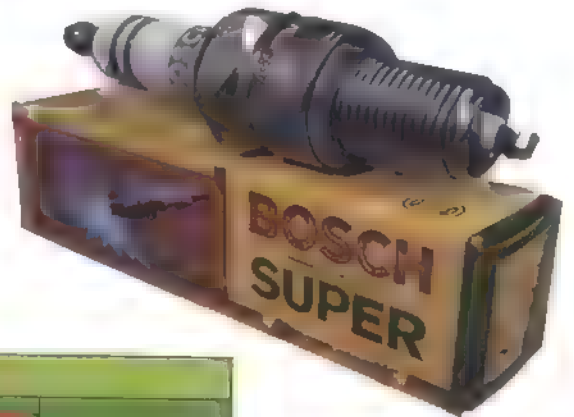
ALLIBERT CONTAINER DIVISION

Berry Hill Industrial Estate, Droitwich, Worcestershire WR9 9AB

BOSCH SUPER PLUGS

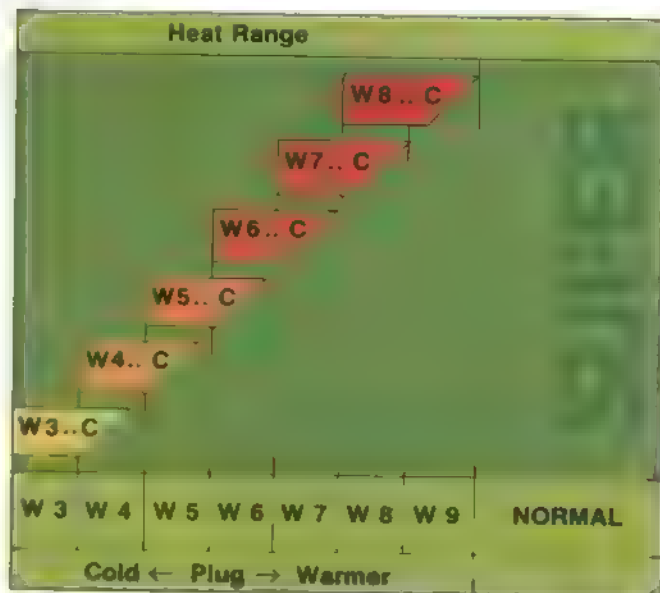
A super start for *all* cars

- Bosch have over 80 years experience manufacturing Spark Plugs thus offering the motorist the quality and reliability that is Bosch.
- Bosch Spark Plugs fit all makes of vehicle no matter where they are manufactured.
- All Bosch Spark Plugs have high quality insulators, longer leakage barriers, heat shrink nickel plated housing with rolled thread plus chrome centre and ground electrodes. These features offer the best quality and performance.



SUPER PLUG HEAT RANGE

Bosch Super Plugs cover a wider heat range than standard plugs shown below.



FEATURES

Copper core in the centre electrode.

Enlarged scavenging area.

Longer insulator nose.

ADVANTAGES

Widens heat range.
Accelerates heat dissipation.
Prevents misfiring.

Quicker self cleaning.

35% longer than standard plugs.
Reaches self cleaning temperature quicker.

BENEFITS

Improves fuel efficiency.

Economical driving direct from starting.

Reduces carbon fouling.

AVAILABLE NATIONWIDE FROM ALL BRANCHES OF MOTORIST DISCOUNT CENTRE AND LONGLIFE.



BOSCH

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P.O. Box 98 Broadwater Park, North Orbital Road
Denham, Uxbridge, Middlesex UB9 5HJ
Telephone Denham (0895) 833633 Telex 935244

AS SEEN ON TV

MODEL 90

OUTPUT
90 AMPS (12V DC
(20 SECOND RATING))
INPUT
240V 50HZ MAINS 5A

WEIGHT
8 KGS (19 lbs)

SIZE
165 x 165 x 204

CASING
POLYESTER GLASS RESIN
SAFETY FEATURES:
EARTHED, ENCAPSULATED
AND OVERLOAD PROTECTED

£39.95
inc VAT

MODEL 120

OUTPUT
120 AMPS (12V DC
(30 SECOND RATING))
INPUT
240V 50HZ MAINS 10A

WEIGHT
8 KGS (19 lbs)

SIZE
165 x 165 x 204

CASING
POLYESTER GLASS RESIN
SAFETY FEATURES:
EARTHED, ENCAPSULATED
AND OVERLOAD PROTECTED

£54.50
inc VAT

USES

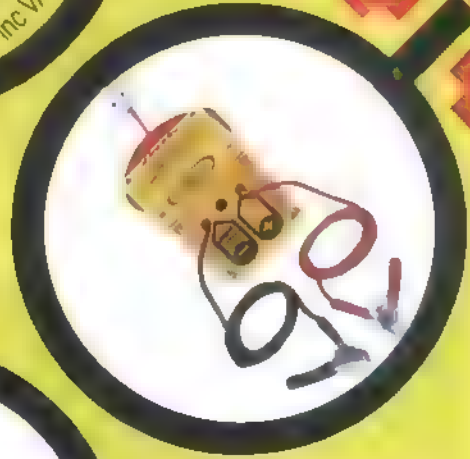
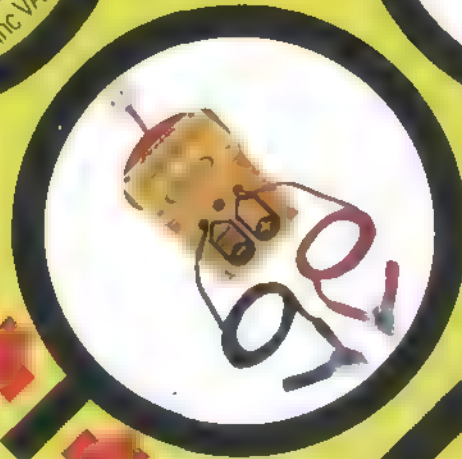
CHARGING
DC POWER
SUPPLY FOR
PUMPS, LAMPS
ETC USING 12VDC
RAPID ENGINE STARTS
WHEN SERVICING, TUNING.
FLAT BATTERY STARTING CARS,
VANS, BOATS (SINGLE HANDED, FOR
AUTOMATIC VEHICLES) ETC, ETC, ETC.

FEATURES
PLUGS INTO
NORMAL MAINS
SUPPLY
TRANSFORMER IS
EARTH-SHIELDED AND
CASE IS FULLY INSULATED
GLASS REINFORCED POLYESTER.
REGULATED DC OUTPUT TO PROTECT
ALTERATIONS AND ELECTRONIC IGNITION
SYSTEMS.
HEAVIER DUTY MODELS AVAILABLE TO ORDER.

engine starter
power supply ——— charger

**Jump
Start**

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Stocklake, Aylesbury
Bucks, England





Vehicle security systems

INTERLARM

Using latest integrated circuits features additional protection.

- Protects all parts of car and contents
- Incorporates courtesy light delay
- Accessory protection circuit is always active – even if system is not armed
- Sounds horn intermittently for 3 minutes with automatic reset
- Safe – does not interfere with lights or ignition
- Added features at no additional cost
- Fully illustrated comprehensive DIY instructions. No external drilling required.

Interlarm – complete £17.95

INTERLOCK

The low cost solution to car theft

- Positive anti-theft car protection
- Prevents 'joy riders'
- Prevents accidental starting by children
- Easy to install. Simply remove your code plug and take part of your car's wiring system with you!

Interlock – complete £8.95

Electronic ignition systems

Using electronic components specially manufactured for electronic ignition – Automotive Electronics achieve better performance and higher reliability at lower cost.

No other systems guarantee

- Better performance
- Easier starting
- Lower consumption
- Higher reliability

ETi 100

- Led system lights
- Dual circuits for added reliability
- Rugged die cast box
- Easy DIY installation – only 4 connections

The best value electronic ignition you can buy

ETi 100 £75.95

ETi 200

- Led system lights
- Dual function changeover switch
- Rugged die cast box

The best electronic ignition kit you can buy

ETi 200 £18.45



Automotive Electronics

FUEL-TRIMMER

Electronic Fuel Economy System

What it is

Fuel-trimmer is an electronic carburettor control system designed to reduce fuel consumption. It uses the same 'Deceleration Fuel Cut-off' principle as used by several car makers to improve fuel economy. Fuel-trimmer includes electronic module, vacuum sensor, LED display and comprehensive installation kit

What it does

When a car is decelerating descending a hill or slowing in traffic, or on a motorway, the engine is consuming unnecessary fuel. Fuel-trimmer stops this waste of fuel by turning off the fuel from the idling jet of the carburettor. Quite literally, as one of the advertisements stated '70 mph and not using a drop of fuel'. Overall fuel consumption, during typical drive cycles is reduced by up to

10% – under some drive conditions the saving is even greater. The actual percentage depends on driving habits and conditions

How it works

Using the latest integrated circuits and a special vacuum sensor, Fuel-trimmer 'computes' the engine operating condition and turns off the anti run-on valve, when fuel is not required, thus reducing overall fuel consumption. The in-car LED display visually indicates the operation of Fuel-trimmer.

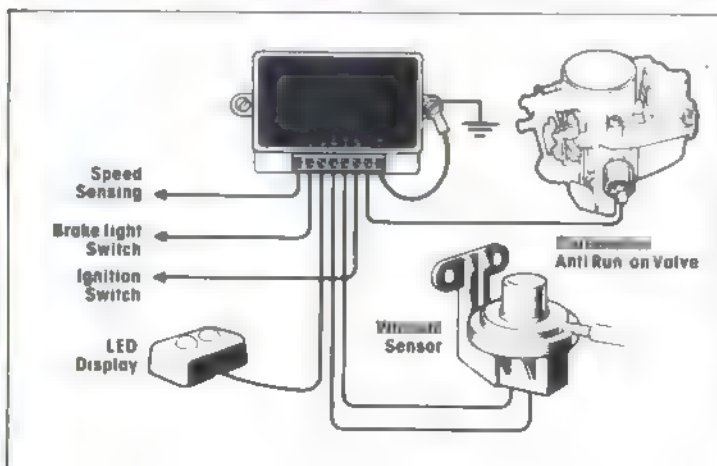
Suitability:

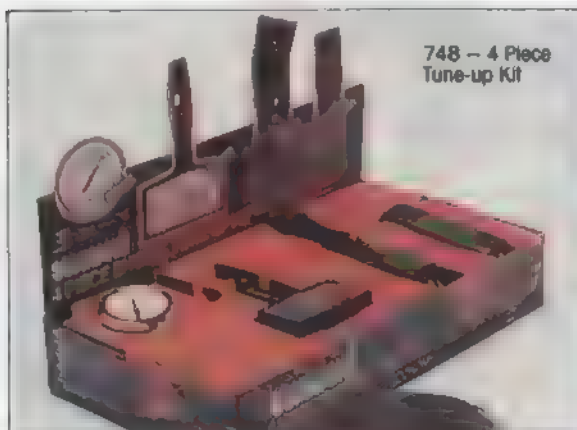
All carburettors fitted with anti run-on valves

Designed for easy D I Y or professional installation the system is complete with comprehensive fitting kit and fully illustrated fitting instructions

MC 4114

£29.45





748 - 4 Piece Tune-up Kit



773 - Mastertune Engine Analyser



WL624/5 - Battery Charger



822 - Hi Beam Timing Light

■ 4 PIECE TUNE-UP KIT 748

A complete kit for the D.I.Y. mechanic containing Vacuum and Fuel Pump Tester, Compression Tester, Neon Timing Light and Remote Starter Switch.

MC 3029 748 £17.98

■ 'MASTERTUNE' ENGINE ANALYSER 773

A sophisticated yet easy to use hand-held instrument which enables the D.I.Y. beginner or more advanced motor mechanic to perform 10 electrically based tune-ups and maintain peak engine performance.

MC 3030 773 £49.95

■ BATTERY CHARGER Model WL624/15

A highly versatile unit manufactured by the brand leaders in Germany, with a charging current of up to 15 Amps RMS and suitable for 6, 12 or 24 volt batteries. Ideal for D.I.Y. and semi-professional use.

MC 3031 WL624/15 £97.50

■ HIGH BEAM TIMING LIGHT 822

To test and accurately adjust engine timing to achieve optimum engine performance. Functions at all engine speeds and on all engines with standard or electronic ignition.

- Inductive clip connection
- Rugged, modern, die-cast metal housing
- Straight line xenon bulb provides brilliant white flash
- Easy, simple hook-up
- Internally protected against incorrect hook-up
- Operates from 12V DC battery

MC 3032 822 £38.85

■ ULTRASONIC CAR ALARM 958

An ultrasonic force field is produced within the car interior and a detector protects against towing, jacking up of the vehicle, and all forms of illegal entry. A remote sensor wire also protects articles on or near the car such as bikes, roof racks and auxiliary lights.

MC 3033 958 £97.50

■ 'AUTO-VAC' VACUUM CLEANER

With an extra large dirt capacity this powerfully driven cleaner plugs into the cigarette lighter socket or can run off a 12V DC battery. Comes complete with a crevice tool, carpet tool and flexible hose.

MC 3034 Auto-Vac £9.90

■ AUTO ALARM 950

A computerised alarm system which prevents unauthorised entry and is suitable for all types of vehicles. Sensors for the door and bonnet are provided.

MC 3035 950 £19.95

■ TURBO II WHEEL COVERS

For the real appearance of a two-piece magnesium wheel. Available in sets of 4 to fit 13", 14" and 15" wheels - in gold or silver finish. Of light weight construction they are easily fitted to most vehicles and will not affect the wheel balance. Please specify gold or silver finish.

MC 3036 Wheel Covers 13" £24.98

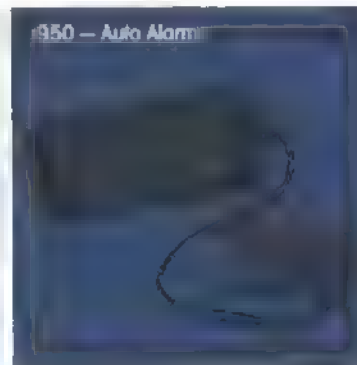
MC 3037 Wheel Covers 14"/15" £29.95



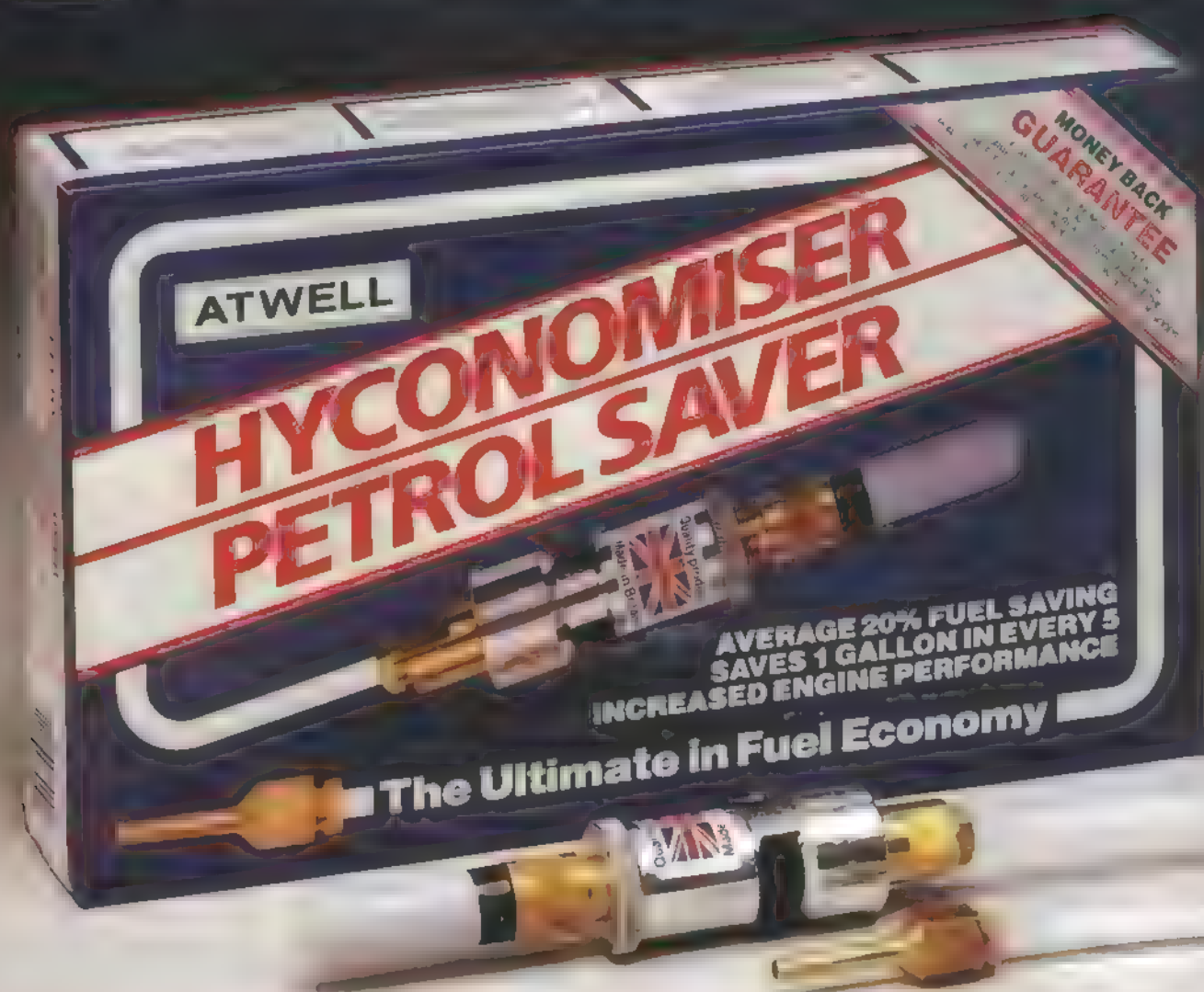
958 - Ultrasonic Car Alarm



950 - Auto Alarm



Turbo II Wheel Covers



CUT PRICE PETROL EVERYWHERE YOU DRIVE

HYCONOMISER PETROL SAVER

At last – for cars and vans a fuel saving device that really works. The proved-in-action Hyconomiser does its job without the use of chemicals, electrics or 'black box' gadgetry but simply by increasing the efficiency of the petrol feed by the carburettor to the combustion chambers in a way which every car owner can understand.

BETTER ENGINE PERFORMANCE

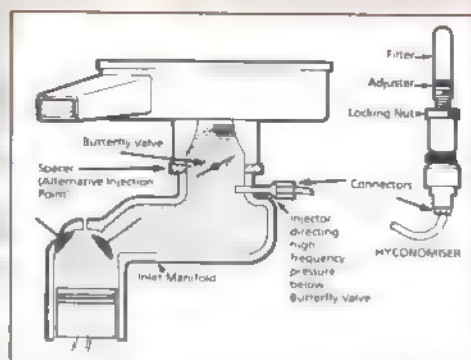
The Hyconomiser is a logical and convincing method of cutting your petrol bill by up to 20% or even more. It's not just the manufacturers who say this. Dozens of sceptical motoring journalists now agree that the Hyconomiser lives up to the remarkable claims made for it. Moreover it has no harmful side effects on parts wear or performance. In fact the Hyconomiser actually means smoother running and less exhaust pollution.

BIG SAVINGS, GREATER EFFICIENCY ALL ROUND

- Fuel savings of 20% and more are common and it's likely that the minimum saving with a normal production car will be around 15%.
- Engine performance is greatly improved with minimum choke needed even on cold mornings.
- The Hyconomiser keeps the manifold and combustion chambers free of particulate build-up.
- Less exhaust pollution.

HOW THE HYCONOMISER WORKS

Much of the wastage in a modern petrol engine is due to drops of fuel too big to be completely burnt before they are ejected with the exhaust. Another problem is that these big, slow moving drops of fuel hit the walls of the sharp bends of inlet ducts and run down the



cylinders into the oil. In addition, the low pressure area created under the throttle plate tends to push the fuel towards the central cylinders, setting up an uneven distribution and power loss. Finally, uneven atomisation produces differences in the mixture in the combustion chambers around the plug tips.

Now it's obvious that all these problems could be solved if petrol could be efficiently atomised into conveniently sized particles.

FUEL DROPLETS SMASHED INTO A FINE MIST

This is exactly what the Hyconomiser does. A valve regulated air flow passing through is resonated at differing frequencies.

This pulsed air flow is then injected through a tube into the air intake manifold below the carburettor. The highest frequency produces a 'needle' of microturbulence that disintegrates fuel droplets into a

fine mist of particles.

The lower frequencies set up areas of turbulence throughout the fuel inlet system which result in distribution of the mixture evenly to all cylinders.

QUICKLY AND EASILY FITTED

The Hyconomiser can be fitted to virtually every petrol-engine standard car with the exception of turbo-charged and fuel-injected models. It does not affect the vehicle warranty.

Full fitting instructions are supplied or if you prefer there are appointed fitting agents throughout the country who will install the Hyconomiser in from 15 to 45 minutes, depending on the make of your car. Ask your stockist for details.

THE TOOLS YOU REQUIRE

6mm drill Hand drill (or electric)
16mm & 13mm spanners Gasket sealer (optional)
Centre-punch (optional) Hammer (soft if possible)
Where a vehicle has twin carbs or multi-carb layout, extra injectors will be needed as each carb needs an inject on point. A twin carb fitting kit can be purchased either from your stockist or direct from the manufacturer. Regardless of the number of injection points only one Hyconomiser per engine is required.

THE LAST WORD ON SAVING

Say the average motorist drives 15,000 miles a year at 25 mpg. That's 600 gallons a year. If the Hyconomiser reduces fuel consumption by only 15% that's a saving of 90 gallons a year. At today's pump prices that means it pays for itself in a matter of weeks. From then on, it's saving, saving, everywhere you drive.

MC3127 Hyconomiser

ATWELL

IN-CAR ENTERTAINMENT





In-car entertainment is one of the most closely fought over sectors of the car accessory market. It is a field in which the consumer has an unparalleled choice of models from simple two-waveband radios to component radio and cassette stereo systems that come close to emulating first-class home hi-fi equipment in audio quality. To attain such high standards within a very small package able to withstand a car's harsh environment involves the use of some very sophisticated micro-circuitry. There may be as many as 30 separate control functions on some modern sets. In these two pages many of the major features and functions of up-to-date car audio equipment are reviewed and there's a look at broadcasting developments that have made in-car listening an essential and enjoyable way to take stress out of hours spent at the wheel.

THE STEREO BROADCASTING EXPLOSION

Britain came relatively late to frequency modulated (FM) broadcasting and even later to widespread transmission of stereo signals. Many BBC local radio stations still only transmit a mono signal but the advent, 11 years ago, of the independent local radio stations (ILRs) started an explosive growth in stereo broadcasting that will continue for the next decade. From inception the Independent Broadcasting Authority (IBA) saw the enormous potential of the car borne audience, designed its transmitters for good mobile reception and made all transmitters stereo. The BBC has followed - many stations are now updated with stereo equipment and the special signal polarisation needed for better in-car reception.

Today there's some 30 ILRs and 24 BBC local stations on the FM airways. Nine more areas will get local IBA or BBC transmissions within the next few months. Up to 50 more local stations have been proposed in plans extending to 1992.

This rapid evolution has meant that it has quickly become very much more worthwhile to have an in-car set able to receive FM stereo broadcasts. The network of local stations provides mobile listeners with good quality traffic information useful to home town drivers and longer distance motorists passing by. And it also provides considerable programme variety - often a welcome change from Radios 2, 3 and 4. The

experience very little variation in signal strength over many miles while tuned to AM broadcasts. FM signals have a very different character. They weaken considerably as you drive away from the transmitter and are most strongly received only when you are in line of sight with the transmitter. The FM signals bounce off hills and other major features such as buildings but they do not return from the ionosphere.

Therefore the best stereo signals can only be received when you are well within the transmitter range - typically 15-30 miles depending on power output and local topography. This tight range enables the same frequency to be allocated to more than one local station provided they are well spaced across the country. And it has also meant that to achieve almost complete national coverage for the three BBC national stations a network of over 90 transmitters has been strung out all over Britain.

The main causes of poor FM stereo reception are distance from the transmitter, the reception of multiple signals by direct path and by reflection from buildings or hills, and the periodic blocking of the signal by similar features of the landscape. In the case of BBC national stations it pays to hunt up the next transmitter frequency of the same programme as soon as you find there's a deterioration in signal. For reception of local stations the fall-off in sound quality marks the limits of range - you should then seek another programme. With the wide spread of stations available you should find one to suit your tastes quite quickly. A self-seeking or scanning tuner enables you to do this with the minimum of distraction from the road ahead. Before the signal fades completely you may lose stereo reception. Your FM stereo set will either have a switch to improve mono reception or it will ~~switch~~ the stereo automatically. Both devices reduce the amount of unwanted background noise. In the jargon-stripping glossary, opposite, you will find many other examples of modern circuitry designed to enhance stereo reception and sustained listening to stations with very weak signals. In areas where there are no good FM signals mountain country fills the main blanks on the FM reception map - switch to AM Medium Wave or Long Wave stations. Most ILRs and BBC local stations also broadcast on Medium Wave offering good mono signals in many otherwise uncovered areas.

WHERE TECHNOLOGY TOUCHES ON TAPES

Few drivers are content to stick with a radio alone - separate cassette players or players combined with the radio are a major area of market expansion. While it is undoubtedly the radio that has received the bulk of the attention from electronics technologists tape players have enjoyed some considerable efforts at refinement. Many of today's players have - at the very least, a hardened playback head resistant to the use of more abrasive high quality metal and chromium dioxide tapes. Many also have a bias selector which attunes the player to these types of tape for greater playback fidelity.

Most of the better players now incorporate the Dolby 'B' noise reduction system a valuable aid in reducing background tape hiss. Tape transport speed control is another area that has also benefited from electronic techniques in combination with improvements in the quality and design of mechanical parts of the mechanism. These advances have lowered levels of wow and flutter and help to combat the effects of the car's vibration. There have not been so many

advances in mechanical operation, however. The widespread use of auto-reverse decks is nevertheless a great convenience to car drivers who need no longer be distracted by the need to identify the side to be played or turn the tape over to change sides.

YOUR CHOICE OF IN-CAR AUDIO

It is most important to view the buying of in-car entertainment equipment as the purchase of a complete system. No radio or tape player is able to give its best performance without adequate speakers and a good quality aerial. So don't blow your last penny on the set - it is worth buying a slightly less highly featured model in the same range and spending the price difference on better ancillary (but nevertheless essential) equipment. Reviewed below are the main types of equipment that can be matched in a comprehensive car audio system.

COMBINATION UNITS

Much the largest sector of the market is the combined radio/tape player or combination unit. Although several of the latest models are built to the new size standard the majority of these sets conform to normal DIN in size and type of mountings so they fit in the fascia of most cars well within reach of the driver. While the size of the combination unit does limit the number of features on sets in some makers' ranges there are, nevertheless, a few sets that resemble a piece of aircraft equipment in their complexity. They have most of the functions you can obtain in a component system and often have a separate amplifier - the disadvantage may be that some of the controls are so small they can be difficult to operate. Just recently a few combination units with relatively high power outputs - sufficient to drive four speakers - have become available. However, most combination units have outputs in the range 5-10 watts maximum and this is only sufficient to drive one speaker pair adequately. To drive four speakers the output of most units need boosting by a power amplifier or graphic equaliser/amplifier. An output of about 15W per stereo channel is the minimum that should be aimed for.

SEPARATES

From the wide range of tuner, deck and amplifier units you can build what amounts to your own component system. You may wish to do this by stages - buying a better tape deck in the first instance, perhaps, and then later purchasing a top-class tuner, amplifier or graphic equaliser. The choice is very wide and you should very easily find units that match your own requirements.

POWER OR BOOSTER AMPLIFIERS

Amplifiers can improve the quality of audio output in two respects. Firstly they provide the power needed to drive good quality speakers boosting the set's output by a factor of from two to six. Secondly, they enable the base unit, tuner or deck to be operated in the middle ranges of its audio output, the volume at which its sound quality should be close to optimum.

Amplifiers are available with power outputs in the range 20W to an incredible 80W maximum (units that are more suited to a motorhome than a mere car). Many of them can be interconnected with the combination unit so they switch on automatically. Many also have provision for the use of either two or four speaker channels.

SPEAKERS

All the major manufacturers of car audio equipment offer two ranges of speakers. The widest choice is in flush, panel-mounting speakers designed for mounting in doors or other trim parts where they can take advantage of the added resonance of the cavity behind the trim. Surface mounted, enclosure or pod speakers are principally designed for the rear parcel shelf with the speaker or multiple speakers angled forward for good sound projection. In both ranges the speakers may have single, dual or triple cones, the last two types being designs for a wider frequency response. Multiple speakers, either purchased as a panel-mounting set or in an enclosure are usually all of the single cone type. They operate best with a crossover network which filters to each speaker the frequency range that it is designed to handle.

Choose speakers that have a maximum power handling capacity which is about 50% more than the maximum power rating of your car audio equipment for best results. Study mounting positions carefully - you must prevent door speakers from fouling window mechanisms and from becoming damp. The higher in the door the better as higher frequencies are not sustained over long distances and can be absorbed by seat upholstery and carpeting. At the rear, speakers mounted through the parcel shelf or load cover give good results in the bass registers owing to the large cavity of the boot. Since there is little directionality of bass frequencies and they add little to the effect of stereo separation woofers can be mounted more centrally than the high frequency tweeters - these should always be at the outside edge of the rear shelf.

AERIALS

Although higher-priced aerials may look little different from much cheaper alternatives do spend as much as you can afford on the antenna. Better quality aerials are more resistant to corrosion, have finer tolerances at key points like sliding joints and will sustain maximum performance for far longer than bargain basement items.

Aerials work best furthest from the engine where they are less likely to pick up the most common causes of interference such as the ignition system and the generator. On the roof or the rear wing are often the best places despite car manufacturers' insistence on providing an aerial hole on the front wing. Make sure there is an excellent earthing connection between the aerial base and the car body and that any joints in aerial extension leads are made with proper shrouded coaxial connectors. Buy a lot of suppression parts for your car - for the majority of cars a suppression choke in the main car audio power lead and capacitors on the ignition coil and generator stop most noises. Irritants that may need more specialised attention from a skilled car audio dealer include wiper motors and voltage stabilisers.

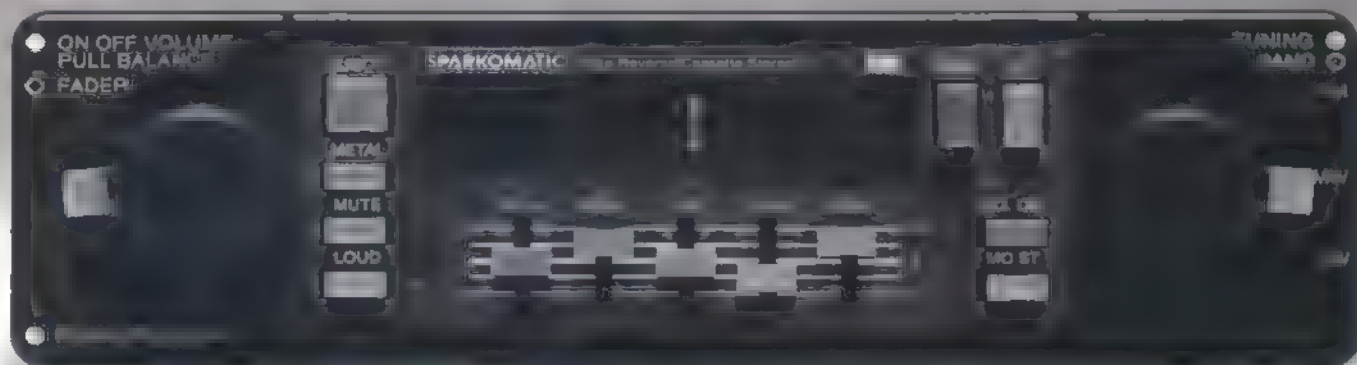
IONOSPHERE

MW

IONOSPHERE

FM

ability to receive in stereo and hear a variety of stereo broadcasts across wider areas of the country is a great leap in listening pleasure. But to get even better results from your set it's worth looking at the characteristics of FM stereo signals. Long Wave and Medium Wave amplitude modulated (AM) signals have the ability to travel long distances 'bouncing' around geographical features and reflecting from the ionosphere. As a result you



SR 307F



SR 305F

SR 307F HIGH-POWER

Auto Reverse Cassette MW LW/FM Stereo with 5 Band Equaliser

- 45 Watts (RMS) deliver high fidelity audio power comparable to home stereo units
- Five slide controls adjust tone balance over five frequencies to provide infinite control of the entire audio range with distortion-free clarity
- Built-In Dynamic Noise Reduction (DNR) circuit dramatically reduces audible tape hiss inherent in recorded tapes and effectively minimises noise present in MW and FM broadcasts
- IAC Noise Canceller Circuit suppresses pulse noises and other engine interference
- Left-right locking balance and front-rear fader controls allow you to equalise a 4 speaker system for perfect balance
- Auto reverse feature automatically

reverses the direction of the tape at the end of the recording for continuous play operation

- Equaliser ON/OFF allows for full range control
- Manual programme control allows you to change direction of tape at any time
- Metal tape selector provides response equalisation for high performance metal tape
- Locking fast forward and rewind controls permit rapid advance or rewind of cassette tape
- Electronic switches offer the convenience of light-touch control
- FM Muting switch eliminates annoying interstation noise when tuning
- Loudness control permits full bass and treble response at low volume
- Mono/Stereo switching with automatic override improves reception in weak signal areas
- Audio Power. 45 Watts at 10% (RMS) THD

40 Watts at 1% (RMS) THD.

SR 307F

£119.95

SR 305F HIGH-POWER

Cassette MW/LW/FM Stereo with 5 Band Equaliser

Radio/Cassette

- 45 Watts (RMS) deliver high fidelity
- Rotary controls for volume and tuning
- Left-right locking balance and front-rear fader controls allow you to equalise a 4 speaker system for perfect balance
- Loudness control permits full bass and treble response at low volume
- FM muting switch eliminates annoying interstation noise when tuning
- Local/Distance control increases sensitivity for weak distant stations and prevents interference by adjacent local channels.

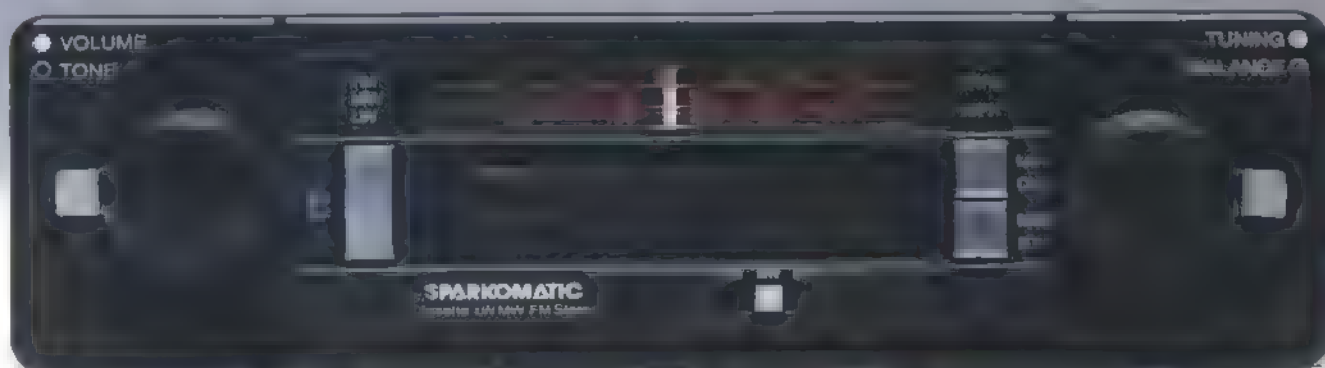
- Mono/Stereo switch reduces noise, increases sensitivity for stations in a poor signal area
- Equaliser ON/OFF allows for full range control
- IAC Noise Canceller Circuit suppresses pulse noises and other engine interference
- Locking fast forward control permits rapid advance of cassette tape
- MW/LW/FM band selector permits instant touch selection of any of these three modes
- Eject switch permits easy retrieval of cassette
- Audio Power: 45 Watts at 10% (RMS) THD. 40 Watts at 1% (RMS) THD

Equaliser

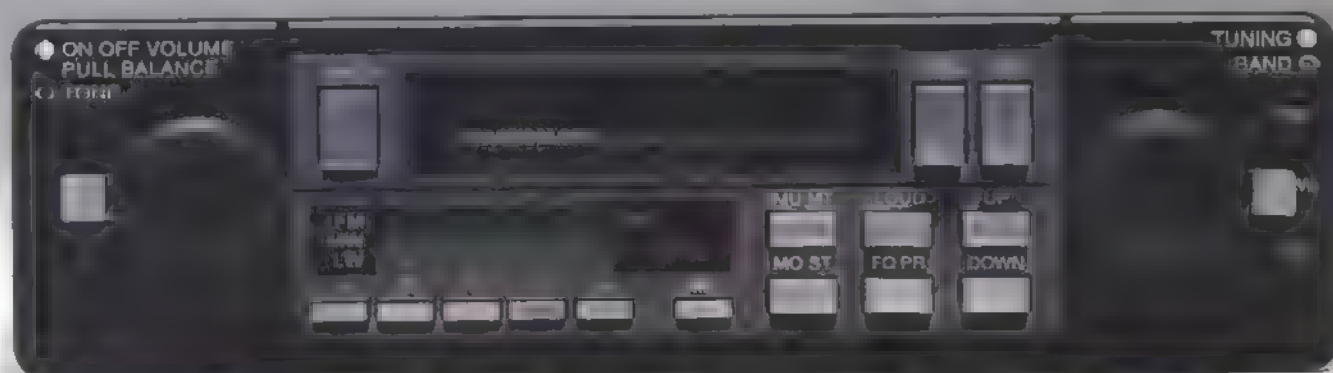
- Five slide controls with centre detent adjust tone balance over five frequencies
- Permits infinite control of the entire audio range with distortion-free clarity.

SR 305F

£79.97



SR 300F



SR 309F

SR 300F**MW/LW FM Stereo Radio Cassette**

- Rotary controls for volume, tone and tuning
- Left-right locking balance control assures optimum distribution of sound for any listening preference
- Locking fast forward permits rapid advance of cassette tape
- 3 band slide switch of MW/LW/FM permits instant selection of any of these modes
- Mono/Stereo selector reduces noise, increases sensitivity for stations in a poor signal area
- Stereo tape direction control and indicators.

- IAC Noise Canceller Circuit suppresses pulse noises and other engine interference
- Audio Power:
10 Watts at 10% (RMS) THD.
8 Watts at 1% (RMS) THD

SR 300F**£65.95****SR 309F****Sparkomatic's SR 309F Electronic Tune Auto Reverse Cassette MW/FM/LW Stereo**

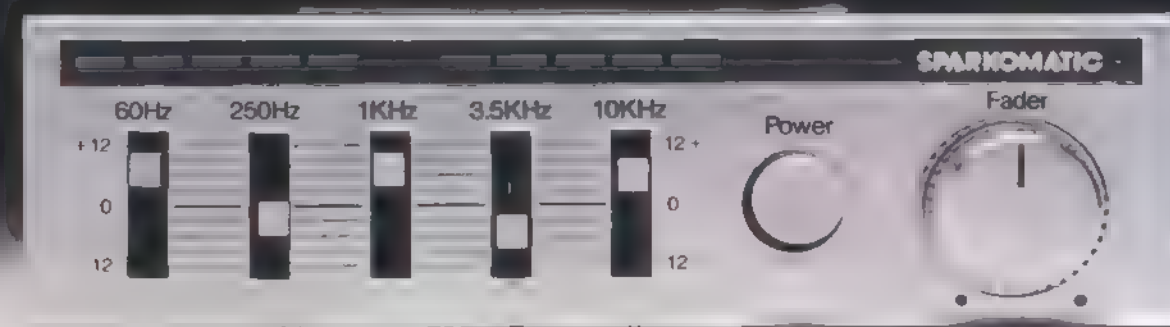
- Phase-Lock-Loop Precision Electronic Tuning
- Electronic Memory Tuning System - 5FM, 5MW, 1LW
- Automatic Seek Controls

- Auto Reverse for Continuous Play
- Locking Fast Forward and Rewind
- LED Digital Time and Frequency Read-out
- Electronic FM Muting Switch
- IAC Noise Canceller Circuit
- Loudness and Mono/Stereo Switches
- Metal Tape Selector
- Comes complete with Mounting Hardware
- Audio Power:
12 Watts at 10% (RMS) THD
10 Watts at 1% (RMS) THD.

The new SR 309F is another top-of-the-range sophisticated product from Sparkomatic. This electronic tune, auto reverse stereo cassette

has a digital display MW/FM/LW stereo radio with 11 electronic memory stations for instant station recall and automatic station seek. Phase-Lock-Loop precision electronic tuning provides virtually perfect tuning accuracy and a built-in IAC noise cancellor circuit suppresses pulse noises and other engine interference. The SR 309F cassette features auto reverse for continuous play, locking fast forward and rewind, and has a built-in DNR noise reduction circuit and a metal tape selector to ensure that you get the best sound out of your tapes

SR 309F**£149.9**

**SS 200****GE 50****SS 200****Under Dash Stereo Cassette**

- Left and right volume slide controls
- High/low tone switch
- Fast forward/Eject control.
- Tape play indicator light.
- Auto stop at end of tape
- Audio Power:
8 Watts at 10% (RMS) THD

6 Watts at 1% (RMS) THD

SS 200**£25.95****GE 50**

Reducing a power booster to a compact size without compromising power is no small feat. But the GE 50, designed primarily for compact and imported cars, is a small wonder. It boosts the entire

frequency range with extraordinary distortion-free discipline. LED power level indicator bars dramatically monitor relative power output. Five slide controls with centre detent adjust frequencies. A fader control balances front to rear speaker output.

Specifications

- Audio Power Output (per channel):

22.5 Watts at 10% (RMS) THD

20 Watts at 1% (RMS) THD

- Frequency Response: 20 Hz-20,000 Hz

- Input Impedance: 52 ohms

- Output Impedance (operates over indicated range): 4-8 ohms

- Dimensions (width, height, depth) 4 3/4" x 1 3/8" x 4 3/4", 121 x 35 x 121 mm

GE 50**£29.95**

**SK 400****Dual Cone Door Mount Speaker Set**

- High compliance air-suspension woofers with specially designed high energy Strontium Cobalt magnets
- Specially engineered hole in magnet end plates for cooling of voice coil
- Uniquely engineered coupling

- horn whizzers disperse high frequencies over a wide angle.
- Aluminium dome radiators.
- Durable 1" voice coils
- Compatible with all 4-8 ohm cassette players and radios.
- Low profile impact and heat resistant Thermo Test TM grilles.
- Handles full 20 Watts of steady audio power with up to 40 Watt peaks.

SK 400 (pair) £19.95**SK 410****Dual Cone Shelf Mount Speaker Set**

- High compliance air-suspension woofers with specially designed high energy Strontium Cobalt magnets.
- Specially engineered hole in magnet end plates for cooling of voice coil
- Uniquely engineered coupling

horn whizzers disperse high frequencies over a wide angle

- Aluminium dome radiators
- Durable 1" voice coils
- Compatible with all 4-8 ohm cassette players and radios
- Handles full 20 Watts of steady audio power with up to 40 Watt peaks

SK 410 (pair) £24.98**SK 501****Slimline door mount dual cone speaker system**

The ultimate slimline speaker set designed to deliver a high power, high quality performance. Each specially contoured speaker is engineered with a separate woofer and whizzer to provide a broader frequency range for true high fidelity sound reproduction. The SK 501 requires a minimum of installation space, so it is perfect for those hard-to-fit places in cars like the lowest portion of the door, the dash or the rear deck.

- 5 1/4" slimline speaker set
- 32mm total depth
- Strontium Cobalt woofer magnet
- Cone edge specially treated for long life

- High temperature 1" voice coil
- Aluminium dome radiator

Performance specifications:

- Frequency response: 80 Hz - 16,000 Hz
- Power handling capability: 20 W Nominal - 40 W Maximum
- Sensitivity (1W @ 1 meter, 1000 Hz): 92.0 dB
- Impedance: Compatible with all 4-8 ohm players and radios

SK 501 (pair) £24.95**SK 415****Multi-Directional Speaker System**

A stereo speaker system specially designed for trucks, estate cars and



many deck mount applications. The 'U' shaped mounting brackets, with vibration-free ThermoTest (TM) housings, are fully adjustable to allow optimum location and complete directional control of stereo sound within any vehicle's interior. Securely anchored in each heat and shock-resistant housing is a rugged, compact speaker designed to reproduce the full range of the audio spectrum. High energy Strontium Cobalt magnets, with centre holes for cooling of the voice coils, provide 40 Watts of power handling capability for smooth, rich bass response. Perforated coupling horn whizzers disperse the higher frequencies for 'Live' sound reproduction. The SK 415 stereo speakers let you take the Sparkomatic Sound with you

wherever you go - in whatever you drive

Performance specifications

- Frequency response: 90 Hz - 15,000 Hz
- Power handling capability: 20 W Nominal - 40 W Maximum
- Sensitivity (1W @ 1 meter, 1000 Hz): 86.0 dB
- Impedance: Compatible with all 4-8 ohm tape players and radios

Dual cone system features

- Aluminium dome radiator
- Air suspension woofer cone
- Strontium cobalt woofer magnet
- High temperature voice coil

SK 415 (pair) £29.98

SPEAKERS & GRILLES

Slim line Elliptical Cone Din (6" x 4") 10 watt.	
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AM 24TC	\$8.49
Twin Cone Din (5 1/4") 20 watt	
AM 74TC	\$8.98
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- Order by post as above.
 - Order by telephone to Nottingham (0602) 411776 simply by quoting your credit card number. The address given must coincide with the credit card to avoid any delay.
 - Delivery: Please allow 28 days. We will notify delays by post and cannot guarantee simultaneous arrival if your order involves more than one parcel. Delivery area U.K. mainland only.
 - Remember to add 10% post and handling on all orders under £100. Minimum handling charge £2.50
 - Remember to enclose your £1 voucher (see page 3) for redemption against order.

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METHOD OF PAYMENT (tick appropriate box)

Cheque ☐Postal Order ☐Barclaycard/Visa ☐Access ☐

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My Credit Card number is: _____

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